



# FLORIDA DEPARTMENT OF Environmental Protection

Southwest District Office  
13051 North Telecom Parkway #101  
Temple Terrace, Florida 33637-0926

Rick Scott  
Governor  
Carlos Lopez-Cantera  
Lt. Governor  
Noah Valenstein  
Secretary

December 27, 2018

## ELECTRONIC MAIL

Molly Davis, Chief  
NPDES Permitting Section  
US EPA Region 4  
61 Forsyth St., S.W.  
Atlanta, GA 30303-8960  
[Davis.Molly@epa.gov](mailto:Davis.Molly@epa.gov)

Re: PA File No. FL0026603-013-DW1P/NR  
City of Largo  
City of Largo AWWTF  
Permit No. FL0026603  
SIC 4952

Dear Ms. Davis:

The draft permit and associated documentation (public notice and fact sheet) for the Clearwater City of Marshall Street WRF are attached for EPA review. The permit application can be accessed using the following Oculus link:

[https://depdms.dep.state.fl.us:443/Oculus/servlet/shell?command=getEntity&\[guid=38.587998.1\]&\[profile=Permitting\\_Authorization\]](https://depdms.dep.state.fl.us:443/Oculus/servlet/shell?command=getEntity&[guid=38.587998.1]&[profile=Permitting_Authorization])

In accordance with the Memorandum of Agreement (MOA), dated November 30, 2007, the Department will assume that the EPA concurs with the enclosed draft permit and public notice, if the EPA does not respond with comments, request additional information, or request an extension of time to provide comments within 30 days of the date that you receive the draft permit and attachments.

If there are questions about the permit or application, please contact Gerald "J.J." Loesch at (813) 470-5872 or [Gerald.Loesch@FloridaDEP.gov](mailto:Gerald.Loesch@FloridaDEP.gov).

Sincerely,

A handwritten signature in blue ink that reads "Mary E. Yeargan".

Mary E. Yeargan, P.G.  
Southwest District Director  
Florida Department of Environmental Protection

cc: EPA Region IV - Water Management, [r4npdespermits@epa.gov](mailto:r4npdespermits@epa.gov)  
Astrid Flores Thiebaud, FDEP SWD, [astrid.floresthiebaud@floridadep.gov](mailto:astrid.floresthiebaud@floridadep.gov)



# FLORIDA DEPARTMENT OF Environmental Protection

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Rick Scott  
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Secretary

December 27, 2018

## ELECTRONIC MAIL

In the Matter of an  
Application for Permit by:

City of Largo.  
Irvin Kety, Environmental Services Director  
P.O. Box 296  
Largo, Florida 33779  
[ikety@largo.com](mailto:ikety@largo.com)

File Number: FL0026603-013-DW1P/NR  
Pinellas County  
City of Largo AWWTF

## NOTICE OF DRAFT PERMIT

The Department of Environmental Protection gives notice of its preparation of a draft permit (copy attached) for the proposed project as detailed in the application specified above, for the reasons stated below.

The applicant, City of Largo WWTP, applied on April 28, 2017, to the Department of Environmental Protection for a renewal permit to operate an existing 18.0 mgd type I domestic wastewater treatment facility with a discharge of 15.0 mgd of effluent to Roosevelt Basin (Feather Sound), Class III Fresh Waters, (1624A). Roosevelt Basin flows into WBID # 1558H Class II, Marine waters of Old Tampa Bay through outfall structure D-001. Also, this permit authorizes the land application of up to 12.0 mgd of reclaimed water to a slow-rate public access reuse system. Also, the facility requested to replace the existing traveling bridge, shallow bed sand filter for two new disk filters. The facility is located at latitude 27°54'27" N, longitude 82°42'11" W, on 5100 150<sup>th</sup> Ave. N., Clearwater, Florida 33760 in Pinellas County.

The Department has permitting jurisdiction under Chapter 403, Florida Statutes, and applicable rules of the Florida Administrative Code. The project is not exempt from permitting procedures. The Department has determined that a wastewater permit is required for the proposed work.

Based upon the application and supplemental information, the Department has determined that the applicant has provided reasonable assurance that the above describe wastewater project complies with the applicable provisions of Chapter 403 of the Florida Statutes and Title 62 of the Florida Administrative Code.

Under Section 403.815, Florida Statutes, and Rule 62-620.550, Florida Administrative Code, you (the applicant) are required to publish at your own expense the enclosed Notice of Draft Permit and Request for Public Comment. The notice must be published one time only within 30 days of receipt of this draft permit in the legal ad section of a newspaper of general circulation in the area affected. For the purpose of this rule, "publication in a newspaper of general circulation in the area affected" means publication in a newspaper meeting the requirements of Sections 50.011 and 50.031, Florida Statutes, in the county where the activity is to take place. Where there is more than one newspaper of general circulation in the county, the newspaper used should be one with significant circulation in the area that may be affected by the permit. If you are uncertain that a newspaper meets these requirements, please contact the Department at the address or telephone number listed below. The applicant must provide proof of publication to the Department's Southwest District Office, 13051 N Telecom Pkwy, Suite 101, Temple Terrace, Florida 33637-0926,

within two weeks of publication. Failure to publish the notice and provide proof of publication within the allotted time may result in the denial of the permit.

The Department intends to issue the permit with the attached conditions unless as a result of public comment appropriate changes are made.

Any interested person may submit written comments on the Department's proposed permitting decision or may submit a written request for a public meeting to Astrid Flores Thiebaud, 13051 N Telecom Pkwy, Suite 101, Temple Terrace, Florida 33637-0926 in accordance with Rule 62-620.555, Florida Administrative Code. The comments or request for a public meeting must contain the information set forth below and must be received in the Department's Southwest District Office. Comments from the permit applicant and the persons listed below must be received within 30 days of receipt of this draft permit. Comments submitted by other persons must be received within 30 days of publication of the public notice. Failure to submit comments or request a public meeting within this time period shall constitute a waiver of any right such person may have to submit comments or request a public meeting under Rule 62-620.555, Florida Administrative Code.

The comments or request for a public meeting must contain the following information:

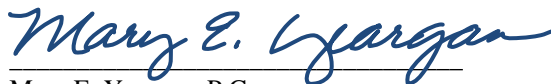
- (a) The commenter's name, address, and telephone number; the applicant's name and address; the Department permit file number; and the county in which the project is proposed;
- (b) A statement of how and when notice of the Department's action or proposed action was received;
- (c) A statement of the facts the Department should consider in making the final decision;
- (d) A statement of which rules or statutes require reversal or modification of the Department's action or proposed action; and
- (e) If desired, a request that a public meeting be scheduled including a statement of the nature of the issues proposed to be raised at the meeting.

If a public meeting is scheduled, the public comment period is extended until the close of the public meeting. However, the Department may not always grant a request for a public meeting. Therefore, written comments should be submitted within 30 days of publication of this notice, even if a public meeting is requested.

If a public meeting is held, any person may submit oral or written statements and data at the public meeting on the Department's proposed action. As a result of significant public comment, the Department's final action may be different from the position taken by it in this draft permit.

Executed in Temple Terrace, Florida.

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL PROTECTION



Mary E. Yeargan, P.G.  
Southwest District Director  
Florida Department of Environmental Protection

## FILING AND ACKNOWLEDGMENT

FILED, on this date, under Section 120.52, Florida Statutes, with the designated Deputy Clerk, receipt of which is hereby acknowledged.



[Clerk]

December 27, 2018

[Date]

## CERTIFICATE OF SERVICE

The undersigned hereby certifies that this NOTICE OF DRAFT PERMIT and all copies were mailed before the close of business on December 27, 2018 to the listed persons.



Name

December 27, 2018

Date

cc:

Sean Chaparro, Arcadis, [Sean.Chaparro@arcadis.com](mailto:Sean.Chaparro@arcadis.com)

Tim Ware, Arcadis, [tim.ware@arcadis.com](mailto:tim.ware@arcadis.com)

Lauren DaCunha, Arcadis, [lauren.dacunha@arcadis.com](mailto:lauren.dacunha@arcadis.com)

Krystin Kadonsky, Arcadis, [krystin.kadonsky@arcadis.com](mailto:krystin.kadonsky@arcadis.com)

Gary Glascock, City of Largo, [gionesgl@largo.com](mailto:gionesgl@largo.com)

David E. Mahler, P.E., CPH, [dmahler@cphcorp.com](mailto:dmahler@cphcorp.com)

Michelle Holton, City of Largo, [mholton@largo.com](mailto:mholton@largo.com)

Vivian Gleaves, City of Largo, [vgleaves@largo.com](mailto:vgleaves@largo.com)

Christine Frankford, Pinellas County Dept. of Health, [Christine.Frankford@doh.state.fl.us](mailto:Christine.Frankford@doh.state.fl.us)

EPA Region IV - Water Management, [r4npdespermits@epa.gov](mailto:r4npdespermits@epa.gov)

Jim Valade, U.S. Fish & Wildlife Services, [Jim.Valade@fws.gov](mailto:Jim.Valade@fws.gov)

Miles Croom, National Marine Fisheries Service, [miles.croom@noaa.gov](mailto:miles.croom@noaa.gov)

James J. McAdams, U.S. Army Corps of Engineers, [james.j.mcadams@usace.army.mil](mailto:james.j.mcadams@usace.army.mil)

Florida Fish & Wildlife Conservation Commission, [FWCCConservationPlanningServices@myfwc.com](mailto:FWCCConservationPlanningServices@myfwc.com)

Florida Department of State, Bureau of Historic Preservation [compliancepermits@dos.myflorida.com](mailto:compliancepermits@dos.myflorida.com)

Florida Dept. of Economic Opportunity, [DCPPermits@deo.myflorida.com](mailto:DCPPermits@deo.myflorida.com)

Monica Sudano, FDEP-Tallahassee, [Monica.Sudano@FloridaDEP.gov](mailto:Monica.Sudano@FloridaDEP.gov)

Lance Kautz, FDEP-SWD, [Lance.Kautz@FloridaDEP.gov](mailto:Lance.Kautz@FloridaDEP.gov)

Erica Peck, FDEP-SWD, [erica.peck@floridadep.gov](mailto:erica.peck@floridadep.gov)

Gerald Loesch, FDEP-SWD, [Gerald.Loesch@floridadep.gov](mailto:Gerald.Loesch@floridadep.gov)

Steve Thompson FDEP-SWD, [Steve.Thompson@floridadep.gov](mailto:Steve.Thompson@floridadep.gov)

Astrid Flores Thiebaud, FDEP SWD, [astrid.floresthiebaud@floridadep.gov](mailto:astrid.floresthiebaud@floridadep.gov)

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
NOTICE OF DRAFT PERMIT

The Department of Environmental Protection gives notice of its preparation of a draft permit to the City of Largo, Irvin Kety, P.O. Box 296, Largo, Florida 33779 for the City of Largo AWWTF. This permit authorizes the permittee to operate an existing 18.0 mgd type I domestic wastewater treatment facility which would discharge 15.0 mgd of effluent to Roosevelt Basin (Feather Sound), Class III Fresh Waters, (1624A). Roosevelt Basin flows into WBID 1558H Class II, Marine waters of Old Tampa Bay through outfall structure D-001. Also, this permit authorizes the land application of up to 12.0 mgd of reclaimed water to a slow-rate public access system. Also, the facility requested to replace the existing traveling bridge, shallow bed sand filter for two new disk filters. The facility is located at latitude 27°54'27" N, longitude 82°42'11" W on 5100 150th Ave. N., Clearwater, Florida 33760-3502 in Pinellas County. The Department has assigned permit file number FL0026603-013-DW1P/NR to the proposed project.

Any interested person may submit written comments on the Department's draft permit or may submit a written request for a public meeting to Astrid Flores Thiebaud, 13051 N Telecom Pkwy, Suite 101, Temple Terrace, Florida 33637-0926, in accordance with Rule 62-620.555, Florida Administrative Code. The comments or request for a public meeting must contain the information set forth below and must be received in the Department's Southwest District Office within 30 days of publication of this notice. Failure to submit comments or request a public meeting within this time period shall constitute a waiver of any right such person may have to submit comments or request a public meeting under Rule 62-620.555, Florida Administrative Code.

The comments or request for a public meeting must contain the following information:

- (a) The commenter's name, address, and telephone number; the applicant's name and address; the Department permit file number; and the county in which the project is proposed;
- (b) A statement of how and when notice of the Department's action or proposed action was received;
- (c) A statement of the facts the Department should consider in making the final decision;
- (d) A statement of which rules or statutes require reversal or modification of the Department's action or proposed action; and
- (e) If desired, a request that a public meeting be scheduled including a statement of the nature of the issues proposed to be raised at the meeting.

If a public meeting is scheduled, the public comment period is extended until the close of the public meeting. However, the Department may not always grant a request for a public meeting. Therefore, written comments should be submitted within 30 days of publication of this notice, even if a public meeting is requested.

If a public meeting is held, any person may submit oral or written statements and data at the public meeting on the Department's proposed action. As a result of significant public comment, the Department's final action may be different from the position taken by it in this draft permit.

The permit application file and supporting data are available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at the Department's Southwest District Office, 13051 N. Telecom Pkwy, Suite 101, Temple Terrace, Florida 33637-0926, at phone number (813)470-5700.



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Rick Scott  
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Lt. Governor

Noah Valenstein  
Secretary

## STATE OF FLORIDA DOMESTIC WASTEWATER FACILITY PERMIT

**PERMITTEE:**

City of Largo.

**RESPONSIBLE OFFICIAL:**

Irvin Kety, Environmental Services Director  
P.O. Box 296  
Largo, Florida 33779  
(727) 507-4475  
[ikety@largo.com](mailto:ikety@largo.com)

**PERMIT NUMBER:** FL0026603 (Major)

**FILE NUMBER:** FL0026603-013-DW1P/NR

**EFFECTIVE DATE:** DRAFT

**EXPIRATION DATE:** DRAFT

**FACILITY:**

City of Largo AWWTF  
5100 150th Ave. N.  
Clearwater, FL 33760  
Pinellas County  
Latitude: 27°54' 27" N      Longitude: 82°42' 11" W

This permit is issued under the provisions of Chapter 403, Florida Statutes (F.S.), and applicable rules of the Florida Administrative Code (F.A.C.) and constitutes authorization to discharge to waters of the state under the National Pollutant Discharge Elimination System. This permit does not constitute authorization to discharge wastewater other than as expressly stated in this permit. The above-named permittee is hereby authorized to operate the facilities in accordance with the documents attached hereto and specifically described as follows:

**WASTEWATER TREATMENT:**

An existing 18.0 MGD annual average daily flow (AADF) Type I domestic advanced wastewater treatment facility, using a high rate three-stage biological nutrient removal process, commonly referred as the A2O process. The overall plant consists of fine screens with screenings compactors, two 21.5 mgd grit removal units, three 200 gpm grit pumps (two duty, one spare), two grit washer separators, and flow splitting weirs and gates to isolate equipment, split flow equally to the three process trains, and a new bio-trickling filter odor control system, 5.0 MG flow equalization tank, three primary clarifiers of 701,250 gallons total volume and 7,200 square feet of total surface area, three anaerobic basins of 610,250 gallons total volume, three anoxic basins of 395,700 gallons total volume, three aerobic basins of 2,267,600 gallons total volume, six final clarifiers of 2,933,000 gallons total volume and a total surface area of 30,160 square feet, two disc filter of 12.0 MGD total volume, nine deep bed denitrification filters of 5,400 square feet total surface area, a 37,600 gallon clearwell, one chlorine contact chambers of 502,000 gallons, one peracetic acid contact chamber of 386,000 gallons and a 71,200-gallon dechlorination basin. This facility is operated to provide advanced wastewater treatment (AWT) and high-level disinfected reclaimed water to a master reuse system within the City of Largo, the Carillon area and within the City of St. Petersburg, or to discharge effluent through an outfall to the stormwater system within Feather Sound and thence to Tampa Bay.

The on-site biosolids treatment facility has a capacity of 16 dry tons per day. The biosolids treatment facility consists of four 955,000-gallon aerobic digesters for a total volume of 3,820,000 gallons, 50-ft diameter thickener, double disc diaphragm thickened sludge pumps, sludge dewatering using belt-filter presses and a heat drying process for palletization producing a marketable bulking agent used in fertilizer.

PERMITTEE: City of Largo. AWWTF  
FACILITY: City of Largo

PA FILE NO.: FL0026603-013-DW1P/NR

**REUSE OR DISPOSAL:**

**Surface Water Discharge D-001:** An existing 15.0 MGD annual average daily flow (AADF) discharge into the Class III Fresh waters of Roosevelt Basin (Feather Sound), WBID 1624A. Roosevelt Basin flows into WBID 1558H Class II, Marine waters of Old Tampa Bay at Discharge Location D-001, which is at a depth of approximately 2 feet. The point of discharge is located approximately at latitude 27°53' 52" N, longitude 82°40' 13" W.

**Land Application R-001:** An existing 12.0 MGD AADF permitted capacity slow-rate public access system (R-001). The Master Reuse System consists of the limits of the City of Largo and including the Carillon area within the City of St. Petersburg and features three reclaimed water storage tanks (5 MG at Starkey Road, 3 MG at Southwest and 10 MG at the WWTF).

**IN ACCORDANCE WITH:** The limitations, monitoring requirements, and other conditions set forth in this cover sheet and Part I through Part IX on pages 1 through 30 of this permit.

DRAFT

PERMITTEE: City of Largo. AWWTF  
FACILITY: City of Largo

PA FILE NO.: FL0026603-013-DW1P/NR

## I. RECLAIMED WATER AND EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

### A. Surface Water Discharges

- During the period beginning on the effective date and lasting through the expiration date of this permit, the permittee is authorized to discharge effluent from Outfall D-001 to Roosevelt Basin and Feather Sound. Such discharge shall be limited and monitored by the permittee as specified below and reported in accordance with Permit Condition I.C.7.:

| Parameter                                     | Units   | Max/Min           | Effluent Limitations |  | Monitoring Requirements |                     |                        | Notes     |
|---|---------|-------------------|----------------------|--|-------------------------|---------------------|------------------------|-----------|
|   |         |                   | Limit                | Statistical Basis                                  | Frequency of Analysis   | Sample Type         | Monitoring Site Number |           |
| Flow  | MGD     | Max<br>Max        | 15.0<br>Report       | Annual Average<br>Monthly Average                  | Monthly<br>Continuous   | Calculated<br>Meter | FLW-02                 | See I.A.4 |
| BOD, Carbonaceous 5 day, 20C                  | mg/L    | Max               | 5.0                  | Annual Average                                     | Monthly                 | Calculated          | EFA-01                 | See I.A.6 |
| BOD, Carbonaceous 5 day, 20C                  | mg/L    | Max<br>Max<br>Max | 6.25<br>7.5<br>10.0  | Monthly Average<br>Weekly Average<br>Single Sample | Daily; 24 hours         | 24-hr FPC           | EFA-01                 | See I.A.6 |
| Solids, Total Suspended                       | mg/L    | Max               | 5.0                  | Annual Average                                     | Monthly                 | Calculated          | EFA-01                 | See I.A.6 |
| Solids, Total Suspended                       | mg/L    | Max<br>Max<br>Max | 6.25<br>7.5<br>10.0  | Monthly Average<br>Weekly Average<br>Single Sample | Daily; 24 hours         | 24-hr FPC           | EFA-01                 | See I.A.6 |
| Nitrogen, Total                               | mg/L    | Max               | 3.0                  | Annual Average                                     | Monthly                 | Calculated          | EFA-01                 |           |
| Nitrogen, Total                               | mg/L    | Max<br>Max<br>Max | 3.75<br>4.5<br>6.0   | Monthly Average<br>Weekly Average<br>Single Sample | Daily; 24 hours         | 24-hr FPC           | EFA-01                 |           |
| Phosphorus, Total (as P)                      | mg/L    | Max               | 1.0                  | Annual Average                                     | Monthly                 | Calculated          | EFA-01                 |           |
| Phosphorus, Total (as P)                      | mg/L    | Max<br>Max<br>Max | 1.25<br>1.5<br>2.0   | Monthly Average<br>Weekly Average<br>Single Sample | Daily; 24 hours         | 24-hr FPC           | EFA-01                 |           |
| Solids, Total Suspended                       | mg/L    | Max               | 5.0                  | Single Sample                                      | Daily; 24 hours         | Grab                | EFA-01                 | See I.A.6 |
| pH  | s.u.    | Min<br>Max        | 6.0<br>8.5           | Single Sample<br>Single Sample                     | Continuous              | Meter               | EFA-01                 | See I.A.3 |
| Coliform, Fecal, % less than detection        | percent | Min               | 75                   | Monthly Minimum                                    | Monthly                 | Calculated          | EFA-01                 | See I.A.5 |
| Coliform, Fecal                               | #/100mL | Max               | 25                   | Single Sample                                      | Daily; 24 hours         | Grab                | EFA-01                 |           |
| Peracetic Acid                                | mg/L    | Min               | 3.0                  | Single Sample                                      | Continuous              | Meter               | EFA-02                 | See I.A.8 |
| Chlorine, Total Residual (For Dechlorination) | mg/L    | Max               | 0.01                 | Single Sample                                      | Daily; 24 hours         | Grab                | EFA-01                 | See I.A.7 |
| Oxygen, Dissolved (DO)                        | mg/L    | Min               | 5.0                  | Single Sample                                      | Daily; 24 hours         | Grab                | EFA-01                 |           |



PERMITTEE: City of Largo. AWWTF  
 FACILITY: City of Largo

PA FILE NO.: FL0026603-013-DW1P/NR

|   |         |            | Effluent Limitations |                                 | Monitoring Requirements |             |                        |            |
|---|---------|------------|----------------------|---------------------------------|-------------------------|-------------|------------------------|------------|
| Parameter   | Units   | Max/Min    | Limit                | Statistical Basis               | Frequency of Analysis   | Sample Type | Monitoring Site Number | Notes      |
| Cyanide, Total (as CN)  | ug/L    | Max        | 5.2                  | Single Sample                   | Quarterly               | Grab        | EFD-01                 |            |
| Dichlorobromomethane  | ug/L    | Max<br>Max | 22.0<br>Report       | Annual Average<br>Single Sample | Monthly                 | Grab        | EFD-01                 |            |
| Nitrogen, Total   | ton/mth | Max        | Report               | Monthly Total                   | Monthly                 | Calculated  | EFD-01                 | See I.A.10 |
| Nitrogen, Total   | ton/yr  | Max<br>Max | 28.5<br>19.0         | Annual Total<br>5 Year Average  | Monthly                 | Calculated  | EFD-01                 | See I.A.10 |
| Chronic Whole Effluent Toxicity, 7-Day IC25 (Ceriodaphnia dubia)  | percent | Min        | 100                  | Single Sample                   | Quarterly               | 24-hr FPC   | EFD-01                 | See I.A.9  |
| Chronic Whole Effluent Toxicity, 7-Day IC25 (Pimephales promelas) | percent | Min        | 100                  | Single Sample                   | Quarterly               | 24-hr FPC   | EFD-01                 | See I.A.9  |

2. Effluent samples shall be taken at the monitoring site locations listed in Permit Condition I.A.1. and as described below:

| Monitoring Site Number | Description of Monitoring Site                     |
|------------------------|--|
| FLW-02                 | Flow meter after PAA effluent pump station.        |
| FLW-01                 | Flow meter after chlorine effluent pump station.   |
| EFA-01                 | After chlorine contact chamber.                    |
| EFA-02                 | After PAA contact chamber.                         |
| EFB-01                 | After filtration and prior to disinfection.        |
| EFB-02                 | PAA dosage point.                                  |
| EFD-01                 | After dechlorination and prior to final discharge. |

3. Hourly measurement of pH during the period of required operator attendance may be substituted for continuous measurement. [62-600.660(1)]
4. A recording flow meter with totalizer shall be utilized to measure flow and calibrated at least once every 12 months. [62-600.200(25)]
5. To report the "% less than detection," count the number of fecal coliform observations that were less than detection, divide by the total number of fecal coliform observations in the month, and multiply by 100% (round to the nearest integer). [62-600.440(6)(a)]
6. In accordance with subsections 62-600.420(1) and (2), F.A.C., the monthly average effluent CBOD<sub>5</sub> and TSS concentrations shall not exceed 15% of their respective influent values (i.e., 85% removal). [62-600.420(1) and (2)]
7. Total residual chlorine must be maintained for a minimum contact time of 15 minutes based on peak hourly flow. [62-600.440(5)(c), (6)(b), and (7)(c)]
8. A minimum of 3.0 mg/L total peracetic acid dosage must be maintained for a minimum contact time of 15 minutes based on peak hourly flow. [62-600.440(2)]
9. The permittee shall comply with the following requirements to evaluate chronic whole effluent toxicity of the discharge from outfall D-001.
- a. Effluent Limitation
- (1) In any routine or additional follow-up test for chronic whole effluent toxicity, the 25 percent inhibition concentration (IC<sub>25</sub>) for reproduction or growth shall not be less than 100% effluent. [Rules 62-302.530(61) and 62-4.241(1)(b), F.A.C.]
- (2) For acute whole effluent toxicity, the 96-hour LC<sub>50</sub> shall not be less than 100% effluent in any test. [Rule 62-302.500(1)(a)4. and 62-4.241(1)(a), F.A.C.]
- b. Monitoring Frequency
- (1) Routine toxicity tests shall be conducted once every three months, the first starting within 60 days of the effective date of this permit and lasting for the duration of this permit.
- (2) Upon completion of four consecutive valid routine tests that demonstrate compliance with the effluent limitation in I.A.9.a.(1) above, the permittee may submit a written request to the Department for a reduction in monitoring frequency to once every six months. The request shall include a summary of the data and the complete bioassay laboratory reports for each test used to demonstrate compliance. The Department shall act on the request within 45 days of receipt. Reductions in monitoring shall only become effective upon the Department's written confirmation that the facility has completed four consecutive valid routine tests that demonstrate compliance with the effluent limitation in I.A.9.a.(1) above.
- (3) If a test within the sequence of the four is deemed invalid based on the acceptance criteria in EPA-821-R-02-013, but is replaced by a repeat valid test initiated within 21 days after the last day of the invalid

test, the invalid test will not be counted against the requirement for four consecutive valid tests for the purpose of evaluating the reduction of monitoring frequency.

- c. Sampling Requirements
  - (1) For each routine test or additional follow-up test conducted, a total of three flow proportional 24-hr composite samples of final effluent shall be collected and used in accordance with the sampling protocol discussed in EPA-821-R-02-013, Section 8.
  - (2) The first sample shall be used to initiate the test. The remaining two samples shall be collected according to the protocol and used as renewal solutions on Day 3 (48 hours) and Day 5 (96 hours) of the test.
  - (3) Samples for routine and additional follow-up tests shall not be collected on the same day.
- d. Test Requirements
  - (1) Routine Tests: All routine tests shall be conducted using a control (0% effluent) and a minimum of five test dilutions: **100%, 50%, 25%, 12.5%, and 6.25%** final effluent.
  - (2) The permittee shall conduct a daphnid, **Ceriodaphnia dubia**, Survival and Reproduction Test and a fathead minnow, **Pimephales promelas**, Larval Survival and Growth Test, concurrently.
  - (3) All test species, procedures and quality assurance criteria used shall be in accordance with **Short-term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Freshwater Organisms**, 4th Edition, EPA-821-R-02-013. Any deviation of the bioassay procedures outlined herein shall be submitted in writing to the Department for review and approval prior to use. In the event the above method is revised, the permittee shall conduct chronic toxicity testing in accordance with the revised method.
  - (4) The control water and dilution water shall be moderately hard water as described in EPA-821-R-02-013, Section 7.2.3.
- e. Quality Assurance Requirements
  - (1) A standard reference toxicant (SRT) quality assurance (QA) chronic toxicity test shall be conducted with each species used in the required toxicity tests either concurrently or initiated no more than 30 days before the date of each routine or additional follow-up test conducted. Additionally, the SRT test must be conducted concurrently if the test organisms are obtained from outside the test laboratory unless the test organism supplier provides control chart data from at least the last five monthly chronic toxicity tests using the same reference toxicant and test conditions. If the organism supplier provides the required SRT data, the organism supplier's SRT data and the test laboratory's monthly SRT-QA data shall be included in the reports for each companion routine or additional follow-up test required.
  - (2) If the mortality in the control (0% effluent) exceeds 20% for either species in any test or the "test acceptability criteria" are not met, the test for that species (including the control) shall be invalidated and the test repeated. Test acceptability criteria for each species are defined in EPA-821-R-02-013, Section 13.12 (**Ceriodaphnia dubia**) and Section 11.11 (**Pimephales promelas**). The repeat test shall begin within 21 days after the last day of the invalid test.
  - (3) If 100% mortality occurs in all effluent concentrations for either test species prior to the end of any test and the control mortality is less than 20% at that time, the test (including the control) for that species shall be terminated with the conclusion that the test fails and constitutes non-compliance.
  - (4) Routine and additional follow-up tests shall be evaluated for acceptability based on the observed dose-response relationship as required by EPA-821-R-02-013, Section 10.2.6., and the evaluation shall be included with the bioassay laboratory reports.
- f. Reporting Requirements
  - (1) Results from all required tests shall be reported on the Discharge Monitoring Report (DMR) as follows:
    - (a) Routine and Additional Follow-up Test Results: The calculated IC25 for reproduction or growth for each test species shall be entered on the DMR.
  - (2) A bioassay laboratory report for each routine test shall be prepared according to EPA-821-R-02-013, Section 10, Report Preparation and Test Review, and mailed to the Department at the address below within 30 days after the last day of the test.
  - (3) For additional follow-up tests, a single bioassay laboratory report shall be prepared according to EPA-821-R-02-013, Section 10, and mailed within 30 days after the last day of the second valid additional follow-up test.
  - (4) Data for invalid tests shall be included in the bioassay laboratory report for the repeat test.
  - (5) The same bioassay data shall not be reported as the results of more than one test.

- (6) All bioassay laboratory reports shall be sent to:  
Florida Department of Environmental Protection  
Southwest District Office  
13051 N Telecom Pkwy, Suite 101,  
Temple Terrace, Florida 33637-0926  
Telephone No.: (813) 632-7600  
[swd\\_dw@dep.state.fl.us](mailto:swd_dw@dep.state.fl.us)

g. Test Failures

- (1) A test fails when the test results do not meet the limits in I.A.9.a.(1).
- (2) Additional Follow-up Tests:
- (a) If a routine test does not meet the chronic toxicity limitation in 9.a.(1) above, the permittee shall notify the Department at the address above within 21 days after the last day of the failed routine test and conduct two additional follow-up tests on each species that failed the test in accordance with 9.d.
- (b) The first test shall be initiated within 28 days after the last day of the failed routine test. The remaining additional follow-up tests shall be conducted weekly thereafter until a total of two valid additional follow-up tests are completed.
- (c) The first additional follow-up test shall be conducted using a control (0% effluent) and a minimum of five dilutions: 100%, 50%, 25%, 12.5%, and 6.25% effluent. The permittee may modify the dilution series in the second additional follow-up test to more accurately bracket the toxicity such that at least two dilutions above and two dilutions below the target concentration and a control (0% effluent) are run. All test results shall be analyzed according to the procedures in EPA-821-R-02-013.
- (3) In the event of three valid test failures (whether routine or additional follow-up tests) within a 12-month period, the permittee shall notify the Department within 21 days after the last day of the third test failure.
- (a) The permittee shall submit a plan for correction of the effluent toxicity within 60 days after the last day of the third test failure.
- (b) The Department shall review and approve the plan before initiation.
- (c) The plan shall be initiated within 30 days following the Department's written approval of the plan.
- (d) Progress reports shall be submitted quarterly to the Department at the address above.
- (e) During the implementation of the plan, the permittee shall conduct quarterly routine whole effluent toxicity tests in accordance with 9.d. Additional follow-up tests are not required while the plan is in progress. Following completion or termination of the plan, the frequency of monitoring for routine and additional follow-up tests shall return to the schedule established in I.A.9.b.(1). If a routine test is invalid according to the acceptance criteria in EPA-821-R-02-013, a repeat test shall be initiated within 21 days after the last day of the invalid routine test.
- (f) Upon completion of four consecutive quarterly valid routine tests that demonstrate compliance with the effluent limitation in I.A.9.a.(1) above, the permittee may submit a written request to the Department to terminate the plan. The plan shall be terminated upon written verification by the Department that the facility has passed at least four consecutive quarterly valid routine whole effluent toxicity tests. If a test within the sequence of the four is deemed invalid, but is replaced by a repeat valid test initiated within 21 days after the last day of the invalid test, the invalid test will not be counted against the requirement for four consecutive quarterly valid routine tests for the purpose of terminating the plan.
- (4) If chronic toxicity test results indicate greater than 50% mortality within 96 hours in an effluent concentration equal to or less than the effluent concentration specified as the acute toxicity limit in I.A.9.a.(2), the Department may revise this permit to require acute definitive whole effluent toxicity testing.
- (5) The additional follow-up testing and the plan do not preclude the Department taking enforcement action for acute or chronic whole effluent toxicity failures.

[62-4.241, 62-620.620(3)]

10. In accordance with the load allocations for the Final 2009 Reasonable Assurance Addendum: Allocation Assessment Report, January 22, 2010, the Total Maximum Daily Load for Total Nitrogen shall be calculated from the monthly average Total Nitrogen concentrations. The Total Nitrogen loading shall be calculated as a 12-month

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rolling total and shall not exceed 28.5 tons/year and the five-year average of the yearly totals shall not exceed 19.0 tons/year for the total load from the City of Largo FL0026603. The City of Largo WWTF shall report the calculated loading to Outfall D-001 from the City of Largo WWTF only.

|   |
|---|
| <b>Monthly Total (Mt)</b>   |
| Mt = (Monthly Average Total Nitrogen Concentration, mg/l) (Total Monthly Flow, MG) (8.3454)<br>2000 lbs |
| Mt = Tons/Month   |

The annual total shall be calculated as a 12-month rolling total based on the cumulative total of TN tons discharged during the reporting month plus the total of TN tons discharged during the preceding 11 consecutive months.

|   |
|---|
| <b>Annual Total (At)</b>  |
| Annual Total at the end of the $n^{\text{th}}$ Month: $At_n = Mt_{n-11} + Mt_{n-10} \dots Mt_n$ |

The 5-year rolling average shall be calculated as the cumulative total of TN tons discharged during the reporting month plus the total of TN tons discharged during the preceding 59 consecutive months, divided by 5.

|  |
|--|
| <b>5 Year Average of the Yearly Totals (5yr)</b> |
| $5yr_n = (Mt_{n-59} + Mt_{n-58} \dots Mt_n) / 5$ |

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## B. Reuse and Land Application Systems

- During the period beginning on the effective date and lasting through the expiration date of this permit, the permittee is authorized to direct reclaimed water to Reuse System R-001. Such reclaimed water shall be limited and monitored by the permittee as specified below and reported in accordance with Permit Condition I.C.7.:

|   |              |                   | Reclaimed Water Limitations |  | Monitoring Requirements       |                     |                        |                     |
|---|--------------|-------------------|-----------------------------|--|-------------------------------|---------------------|------------------------|---------------------|
| Parameter                                   | Units        | Max/Min           | Limit                       | Statistical Basis                                  | Frequency of Analysis         | Sample Type         | Monitoring Site Number | Notes               |
| Flow  | MGD          | Max               | 12.0<br>Report              | Annual Average<br>Monthly Average                  | Monthly<br>Continuous         | Calculated<br>Meter | FLW-01                 | See I.A.4           |
| BOD, Carbonaceous 5 day, 20C                | mg/L         | Max               | 20.0                        | Annual Average                                     | Monthly                       | 24-hr FPC           | EFA-01                 |                     |
| BOD, Carbonaceous 5 day, 20C                | mg/L         | Max<br>Max<br>Max | 30.0<br>45.0<br>60.0        | Monthly Average<br>Weekly Average<br>Single Sample | Daily; 24 hours               | 24-hr FPC           | EFA-01                 |                     |
| Solids, Total Suspended                     | mg/L         | Max               | 5.0                         | Single Sample                                      | Daily; 24 hours               | Grab                | EFA-01                 |                     |
| pH  | s.u.         | Min<br>Max        | 6.0<br>8.5                  | Single Sample<br>Single Sample                     | Continuous                    | Meter               | EFA-01                 | See I.B.3           |
| Coliform, Fecal, % less than detection      | percent      | Min               | 75                          | Monthly Total                                      | Daily; 24 hours               | Calculated          | EFA-01                 | See I.B.4           |
| Coliform, Fecal                             | #/100mL      | Max               | 25                          | Single Sample                                      | Daily; 24 hours               | Grab                | EFA-01                 |                     |
| Chlorine, Total Residual (For Disinfection) | mg/L         | Min               | 1.0                         | Single Sample                                      | Continuous                    | Meter               | EFA-01                 | See I.B.5 and I.B.8 |
| Turbidity                                   | NTU          | Max               | Report                      | Single Sample                                      | Continuous                    | Meter               | EFA-01                 | See I.B.6 and I.B.8 |
| Giardia                                     | cysts/100L   | Max               | Report                      | Single Sample                                      | Bi-annually;<br>every 2 years | Grab                | EFA-01                 | See I.B.9           |
| Cryptosporidium                             | oocysts/100L | Max               | Report                      | Single Sample                                      | Bi-annually;<br>every 2 years | Grab                | EFA-01                 | See I.B.9           |

2. Reclaimed water samples shall be taken at the monitoring site locations listed in Permit Condition I.B.1. and as described below:

| Monitoring Site Number | Description of Monitoring Site              |
|------------------------|---|
| EFA-01                 | After chlorine contact chamber.             |
| EFB-01                 | After filtration and prior to disinfection. |
| FLW-01                 | Flow meter to R-001                         |

3. Hourly measurement of pH during the period of required operator attendance may be substituted for continuous measurement. [62-600.660(1)]
4. To report the "% less than detection," count the number of fecal coliform observations that were less than detection, divide by the total number of fecal coliform observations in the month, and multiply by 100% (round to the nearest integer). [62-600.440(6)(a)]
5. The minimum total chlorine residual shall be limited as described in the approved operating protocol, such that the permit limitation for fecal coliform bacteria will be achieved. In no case shall the total chlorine residual be less than 1.0 mg/L. [62-600.440(6)(b)] [62-610.460(2)][62-610.463(2)]
6. The maximum turbidity shall be limited as described in the approved operating protocol, such that the permit limitations for total suspended solids and fecal coliforms will be achieved. [62-610.463(2)]
7. The treatment facilities shall be operated in accordance with all approved operating protocols. Only reclaimed water that meets the criteria established in the approved operating protocol(s) may be released to system storage or to the reuse system. Reclaimed water that fails to meet the criteria in the approved operating protocol(s) shall be directed to the following permitted alternate discharge system: D-001 an unnamed ditch part of the stormwater system within Feather Sound. The operating protocol shall be reviewed and updated periodically to ensure continuous compliance with the minimum treatment and disinfection requirements. Updated operating protocols shall be submitted to the Department for review and approval upon revision of the operating protocol and with each permit application [62-610.320(6) and 62-610.463(2)]
8. Instruments for continuous on-line monitoring of total residual chlorine and turbidity shall be equipped with an automated data logging or recording device. [62-610.463(2)]
9. Intervals between sampling for Giardia and Cryptosporidium shall not exceed two years. [62-610.463(4)]

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### C. Other Limitations and Monitoring and Reporting Requirements

- During the period beginning on the effective date and lasting through the expiration date of this permit, the treatment facility shall be limited and monitored by the permittee as specified below and reported in accordance with condition I.C.7.:

|  |         |         | Limitations |                   | Monitoring Requirements |                                     |                        |           |
|--|---------|---------|-------------|-------------------|-------------------------|-------------------------------------|------------------------|-----------|
| Parameter  | Units   | Max/Min | Limit       | Statistical Basis | Frequency of Analysis   | Sample Type                         | Monitoring Site Number | Notes     |
| Flow   | MGD     | Max     | 18.0        | Annual Average    | Monthly                 | Calculated                          | FLW-03                 |           |
| Flow   | MGD     | Max     | Report      | Monthly Average   | Continuous              | Recording Flow Meter with Totalizer | FLW-03                 | See I.A.4 |
| Percent Capacity, (TMADF/Permitted Capacity) x 100 | percent | Max     | Report      | Monthly Average   | Monthly                 | Calculated                          | FLW-01                 |           |
| BOD, Carbonaceous 5 day, 20C (Influent)            | mg/L    | Max     | Report      | Monthly Average   | Weekly                  | 24-hr FPC                           | INF-01                 | See I.C.3 |
| Solids, Total Suspended (Influent)                 | mg/L    | Max     | Report      | Monthly Average   | Weekly                  | 24-hr FPC                           | INF-01                 | See I.C.3 |



2. Samples shall be taken at the monitoring site locations listed in Permit Condition I.C.1. and as described below:

| Monitoring Site Number | Description of Monitoring Site   |
|------------------------|--|
| FLW-03                 | Total Plant flow, FLW-01 + FLW-02  |
| FLW-01                 | Flow meter to R-001  |
| FLW-02                 | Flow meter after PAA effluent pump station.  |
| INF-01                 | At influent pumping station wet well, before treatment and to the greatest extent possible based on physical constraints of the headworks ahead of any return flows. |

3. Influent samples shall be collected so that they do not contain digester supernatant or return activated sludge, or any other plant process recycled waters. [62-600.660(4)(a)]
4. Sampling results for giardia and cryptosporidium shall be reported on DEP Form 62-610.300(4)(a)4, Pathogen Monitoring, which is attached to this permit. This form shall be submitted to the Department's Southwest District Office and to DEP's Reuse Coordinator in Tallahassee. [62-610.300(4)(a)]
5. The sample collection, analytical test methods, and method detection limits (MDLs) applicable to this permit shall be conducted using a sufficiently sensitive method to ensure compliance with applicable water quality standards and effluent limitations and shall be in accordance with Rule 62-4.246, Chapters 62-160 and 62-600, F.A.C., and 40 CFR 136, as appropriate. The list of Department established analytical methods, and corresponding MDLs (method detection limits) and PQLs (practical quantitation limits), which is titled "FAC 62-4 MDL/PQL Table (April 26, 2006)" is available at <https://floridadep.gov/dear/florida-dep-laboratory/content/dep-laboratory-library>. The MDLs and PQLs as described in this list shall constitute the minimum acceptable MDL/PQL values and the Department shall not accept results for which the laboratory's MDLs or PQLs are greater than those described above unless alternate MDLs and/or PQLs have been specifically approved by the Department for this permit. Any method included in the list may be used for reporting as long as it meets the following requirements:
- The laboratory's reported MDL and PQL values for the particular method must be equal or less than the corresponding method values specified in the Department's approved MDL and PQL list;
  - The laboratory reported MDL for the specific parameter is less than or equal to the permit limit or the applicable water quality criteria, if any, stated in Chapter 62-302, F.A.C. Parameters that are listed as "report only" in the permit shall use methods that provide an MDL, which is equal to or less than the applicable water quality criteria stated in 62-302, F.A.C.; and
  - If the MDLs for all methods available in the approved list are above the stated permit limit or applicable water quality criteria for that parameter, then the method with the lowest stated MDL shall be used.

When the analytical results are below method detection or practical quantitation limits, the permittee shall report the actual laboratory MDL and/or PQL values for the analyses that were performed following the instructions on the applicable discharge monitoring report.

Where necessary, the permittee may request approval of alternate methods or for alternative MDLs or PQLs for any approved analytical method. Approval of alternate laboratory MDLs or PQLs are not necessary if the laboratory reported MDLs and PQLs are less than or equal to the permit limit or the applicable water quality criteria, if any, stated in Chapter 62-302, F.A.C. Approval of an analytical method not included in the above-referenced list is not necessary if the analytical method is approved in accordance with 40 CFR 136 or deemed acceptable by the Department. [62-4.246, 62-160]

6. The permittee shall provide safe access points for obtaining representative samples which are required by this permit. [62-600.650(2)]
7. Monitoring requirements under this permit are effective on the first day of the second month following the effective date of the permit. Until such time, the permittee shall continue to monitor and report in accordance with previously effective permit requirements, if any. During the period of operation authorized by this permit, the permittee shall complete and submit to the Department Discharge Monitoring Reports (DMRs) in accordance

with the frequencies specified by the REPORT type (i.e. monthly, quarterly, semiannual, annual, etc.) indicated on the DMR forms attached to this permit. Unless specified otherwise in this permit, monitoring results for each monitoring period shall be submitted in accordance with the associated DMR due dates below. DMRs shall be submitted for each required monitoring period including periods of no discharge.

| REPORT Type on DMR | Monitoring Period   | Submit by                                       |
|--------------------|---|---|
| Monthly            | first day of month - last day of month  | 28 <sup>th</sup> day of following month         |
| Quarterly          | January 1 - March 31<br>April 1 - June 30<br>July 1 - September 30<br>October 1 - December 31 | April 28<br>July 28<br>October 28<br>January 28 |
| Semiannual         | January 1 - June 30<br>July 1 - December 31   | July 28<br>January 28                           |
| Annual             | January 1 - December 31   | January 28                                      |

The permittee shall use the electronic DMR system approved by the Department (EzDMR) and shall electronically submit the completed DMR forms using the DEP Business Portal at <http://www.fldepportal.com/go/>, unless the permittee has a waiver from the Department in accordance with 40 CFR 127.15. Reports shall be submitted to the Department by the twenty-eighth (28th) of the month following the month of operation.

[62-620.610(18)] [62-600.680(1)]

8. During the period of operation authorized by this permit, reclaimed water or effluent shall be monitored annually for the primary and secondary drinking water standards contained in Chapter 62-550, F.A.C., (except for asbestos, total coliform, color, odor, and residual disinfectants). These monitoring results shall be reported to the Department annually on the DMR. During years when a permit is not renewed, a certification stating that no new non-domestic wastewater dischargers have been added to the collection system since the last reclaimed water or effluent analysis was conducted may be submitted with the signed DMR in lieu of performing the analysis. When such a certification is submitted with the DMR, monitoring not required this period should be noted on the DMR. The annual reclaimed water or effluent analysis report, and certification if applicable, shall be completed and submitted in a timely manner so as to be received by the Department at the address identified on the DMR by January 28 of each year. Approved analytical methods identified in Rule 62-620.100(3)(j), F.A.C., shall be used for the analysis. If no method is included for a parameter, methods specified in Chapter 62-550, F.A.C., shall be used. [62-600.660(2) and (3)(d)] [62-600.680(2)][62-610.300(4)]
9. The permittee shall submit an Annual Reuse Report using DEP Form 62-610.300(4)(a)2. on or before January 1 of each year. [62-610.870(3)]
10. Operating protocol(s) shall be reviewed and updated periodically to ensure continuous compliance with the minimum treatment and disinfection requirements. Updated operating protocols shall be submitted to the Department's Southwest District Office for review and approval upon revision of the operating protocol(s) and with each permit application. [62-610.320(6)][62-610.463(2)]
11. The permittee shall maintain an inventory of storage systems. The inventory shall be submitted to the Department's Southwest District Office at least 30 days before reclaimed water will be introduced into any new storage system. The inventory of storage systems shall be attached to the annual submittal of the Annual Reuse Report. [62-610.464(5)]
12. Unless specified otherwise in this permit, all reports and other information required by this permit, including 24-hour notifications, shall be submitted to or reported to, as appropriate, the Department's Southwest District Office at the address specified below:

Florida Department of Environmental Protection  
Southwest District  
13051 N Telecom Pkwy, Suite 101  
Temple Terrace, Florida 33637-0926

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Phone Number - (813)470-5700  
FAX Number - (813)470-5996  
[swd\\_dw@FloridaDEP.gov](mailto:swd_dw@FloridaDEP.gov)

[62-620.305]

13. All reports and other information shall be signed in accordance with the requirements of Rule 62-620.305, F.A.C.  
[62-620.305]

## II. BIOSOLIDS MANAGEMENT REQUIREMENTS

### A. Basic Requirements

1. Biosolids generated by this facility may be distributed and marketed and/or transferred to a Biosolids Treatment Facility (BTF) or disposed of in a Class I solid waste landfill. Transferring biosolids to an alternative biosolids treatment facility does not require a permit modification. However, use of an alternative biosolids treatment facility requires submittal of a copy of the agreement pursuant to Rule 62-640.880(1)(c), F.A.C., along with a written notification to the Department at least 30 days before transport of the biosolids. [62-620.320(6), 62-640.880(1)]
2. The permittee shall monitor and keep records of the quantities of biosolids generated, received from source facilities, treated, distributed and marketed, land applied, used as a biofuel or for bioenergy, transferred to another facility, or landfilled. These records shall be kept for a minimum of five years. [62-640.650(4)(a)]
3. Biosolids quantities shall be monitored by the permittee as specified below. Results shall be reported on the permittee's Discharge Monitoring Report for Monitoring Group RMP-Q in accordance with Condition I.C.7.

| Parameter  | Units    | Max/<br>Min | Biosolids Limitations |                   | Monitoring Requirements |             |                        |
|--|----------|-------------|-----------------------|-------------------|-------------------------|-------------|------------------------|
|  |          |             | Limit                 | Statistical Basis | Frequency of Analysis   | Sample Type | Monitoring Site Number |
| Biosolids Quantity (Landfilled)                        | dry tons | Max         | Report                | Monthly Total     | Monthly                 | Calculated  | RMP-04                 |
| Biosolids Quantity (Distributed & Marketed in FL)      | dry tons | Max         | Report                | Monthly Total     | Monthly                 | Calculated  | RMP-01                 |
| Biosolids Quantity (Distributed & Marketed outside FL) | dry tons | Max         | Report                | Monthly Total     | Monthly                 | Calculated  | RMP-02                 |
| Biosolids Quantity (Transferred)                       | dry tons | Max         | Report                | Monthly Total     | Monthly                 | Calculated  | RMP-03                 |

[62-640.650(5)(a)]

4. Biosolids quantities shall be calculated as listed in Permit Condition II.A.3 and as described below:

| Monitoring Site Number | Description of Monitoring Site Calculations          |
|------------------------|--|
| RMP-01                 | Biosolids Quantity Distributed & Marketed in FL      |
| RMP-02                 | Biosolids Quantity Distributed & Marketed Outside FL |
| RMP-03                 | Biosolids Quantity Transferred to a BTF              |
| RMP-04                 | Biosolids Quantity Landfilled                        |

5. The treatment, management, transportation, use, land application, or disposal of biosolids shall not cause a violation of the odor prohibition in subsection 62-296.320(2), F.A.C. [62-640.400(6)]

6. Storage of biosolids or other solids at this facility shall be in accordance with the Facility Biosolids Storage Plan. [62-640.300(4)]
7. Biosolids shall not be spilled from or tracked off the treatment facility site by the hauling vehicle. [62-640.400(9)]

## B. Treatment and Monitoring Requirements

8. The permittee is authorized to produce Class AA biosolids.
9. The permittee shall achieve Class A pathogen reduction by meeting the pathogen reduction requirements in section 503.32(a)(7) (Use of PFRP (Processes to Further Reduce Pathogens)-Heat Drying) of Title 40 CFR Part 503. [62-640.600(1)(a)]
10. The permittee shall achieve vector attraction reduction for Class A or B biosolids by meeting the vector attraction reduction requirements in section 503.33(b)(8) (Reduce moisture content of biosolids to at least 90 % solids) of Title 40 CFR Part 503. [62-640.600(2)(a)]
11. Time and temperature in the digester shall be routinely monitored to demonstrate compliance with pathogen reduction requirements specified in Rule 62-640.600, F.A.C. [62-640.650(3)(a)2]
12. The “% solids” shall be routinely monitored to demonstrate compliance with vector attraction reduction requirements specified in Rule 62-640.600, F.A.C. [62-640.650(3)(a)2]
13. Treatment of liquid biosolids or septage for the purpose of meeting the pathogen reduction or vector attraction reduction requirements set forth in Rule 62-640.600, F.A.C., shall not be conducted in the tank of a hauling vehicle. Treatment of biosolids or septage for the purpose of meeting pathogen reduction or vector attraction reduction requirements shall take place at the permitted facility. [62-640.400(7)]
14. Class AA biosolids shall comply with the limits and be monitored by the permittee as specified below. Results shall be reported on the permittee's Discharge Monitoring Report in accordance with Permit Condition I.C.7. Biosolids shall not be distributed and marketed or land applied if a single sample result or the monthly average of sample results for any parameter exceeds the following Class AA parameter concentrations:

|  |         |            | Biosolids Limitations |                                  | Monitoring Requirements |             |                        |
|--|---------|------------|-----------------------|----------------------------------|-------------------------|-------------|------------------------|
| Parameter                                | Units   | Max/Min    | Limit                 | Statistical Basis                | Frequency of Analysis   | Sample Type | Monitoring Site Number |
| Nitrogen, Sludge, Tot, Dry Wt (as N)     | percent | Max        | Report                | Monthly Average                  | Monthly                 | Composite   | RMP-AA                 |
| Phosphorus, Sludge, Tot, Dry Wt (as P)   | percent | Max        | Report                | Monthly Average                  | Monthly                 | Composite   | RMP-AA                 |
| Potassium, Sludge, Tot, Dry Wt (as K)    | percent | Max        | Report                | Monthly Average                  | Monthly                 | Composite   | RMP-AA                 |
| Arsenic Total, Dry Weight, Sludge        | mg/kg   | Max<br>Max | 41.0<br>75.0          | Monthly Average<br>Single Sample | Monthly                 | Composite   | RMP-AA                 |
| Cadmium, Sludge, Tot, Dry Weight (as Cd) | mg/kg   | Max<br>Max | 39.0<br>85.0          | Monthly Average<br>Single Sample | Monthly                 | Composite   | RMP-AA                 |
| Copper, Sludge, Tot, Dry Wt. (as Cu)     | mg/kg   | Max<br>Max | 1500.0<br>4300.0      | Monthly Average<br>Single Sample | Monthly                 | Composite   | RMP-AA                 |
| Lead, Dry Weight, Sludge                 | mg/kg   | Max<br>Max | 300.0<br>840.0        | Monthly Average<br>Single Sample | Monthly                 | Composite   | RMP-AA                 |
| Mercury, Dry Weight, Sludge              | mg/kg   | Max<br>Max | 17.0<br>57.0          | Monthly Average<br>Single Sample | Monthly                 | Composite   | RMP-AA                 |
| Molybdenum, Dry Weight, Sludge           | mg/kg   | Max        | 75.0                  | Single Sample                    | Monthly                 | Composite   | RMP-AA                 |
| Nickel, Dry Weight, Sludge               | mg/kg   | Max<br>Max | 420.0<br>420.0        | Monthly Average<br>Single Sample | Monthly                 | Composite   | RMP-AA                 |

| Parameter                      | Units   | Max/<br>Min | Biosolids Limitations |                                  | Monitoring Requirements |             |                        |
|--------------------------------|---------|-------------|-----------------------|----------------------------------|-------------------------|-------------|------------------------|
|                                |         |             | Limit                 | Statistical Basis                | Frequency of Analysis   | Sample Type | Monitoring Site Number |
| Selenium Sludge Solid          | mg/kg   | Max<br>Max  | 100.0<br>100.0        | Monthly Average<br>Single Sample | Monthly                 | Composite   | RMP-AA                 |
| Zinc, Dry Weight, Sludge       | mg/kg   | Max<br>Max  | 2800.0<br>7500.0      | Monthly Average<br>Single Sample | Monthly                 | Composite   | RMP-AA                 |
| pH                             | s.u.    | Max         | Report                | Single Sample                    | Monthly                 | Grab        | RMP-AA                 |
| Solids, Total, Sludge, Percent | percent | Max<br>Max  | Report<br>Report      | Monthly Average<br>Single Sample | Monthly                 | Composite   | RMP-AA                 |
| Coliform, Fecal                | MPN/g   | Max         | 1000.0                | Single Sample                    | Monthly                 | Grab        | RMP-AA                 |
| Salmonella Sludge              | MPN/4g  | Max         | 3.0                   | Single Sample                    | Monthly                 | Grab        | RMP-AA                 |

\*Either the fecal coliform limit or Salmonella sp. limit must be met.

[62-640.650(3)(a)(3), 62-640.700(5)(a), 62-640.700(5)(b) and 62-640.850(4)]

15. Class AA biosolids that are stored for more than 45 days shall be re-sampled for fecal coliform or Salmonella sp. every month. [62-640.650(3)(a)5]
16. Sampling and analysis shall be conducted in accordance with 40 CFR Part 503.8 and the U.S. Environmental Protection Agency publication - POTW Sludge Sampling and Analysis Guidance Document, August 1989. In cases where conflicts exist between 40 CFR 503.8 and the POTW Sludge Sampling and Analysis Guidance Document, the requirements in 40 CFR Part 503.8 will apply. [62-640.650(3)(a)1]
17. All samples shall be representative and shall be taken after final treatment of the biosolids but before land application or distribution and marketing. [62-640.650(3)(a)5]
18. Biosolids samples shall be taken at the monitoring site locations listed in Permit Condition II.14 and as described below:

| Monitoring Site Number | Description of Monitoring Site |
|------------------------|--------------------------------|
| RMP-AA                 | Class AA Biosolids             |

### C. Distribution and Marketing

19. Biosolids or biosolids products may be distributed and marketed only if the biosolids or biosolids products meet Class AA standards and are either sold or given-away under a Florida fertilizer license or distributed and marketed to a person or entity that will sell or give-away the biosolids or biosolids products under Florida fertilizer license. Biosolids composts that are enrolled and certified under the U.S. Composting Council's Seal of Testing Assurance (USCC STA) program do not have to be sold or given-away under a Florida fertilizer license except if distributed and marketed within the Lake Okeechobee, St. Lucie River, and Caloosahatchee River watersheds. [62-640.850]
20. Within 24 hours of discovering that distributed and marketed biosolids did not meet the Class AA standards, the permittee shall notify the Department and all persons to whom they delivered or distributed and marketed the Class AA biosolids. [62-640.650(6)(g)]
21. The permittee shall make the following information available to users by product labels or other means:
  - a. The fertilizer label required by Florida fertilizer law or the equivalent information required by the USCC STA program;
  - b. The name and address of the facility or person that produced the Class AA biosolids;
  - c. A statement that the biosolids or biosolids product meets the criteria of subsection 62-640.700(5), F.A.C.;

- d. Recommendation that biosolids be applied at a rate that does not exceed crop or plant nutrient needs and;
- e. Recommendations on proper storage of the biosolids or biosolids product prior to use. For distributed quantities of biosolids or biosolids products greater than one dry ton, the recommendations shall include that biosolids may not be stored on property for more than seven days unless stored to prevent runoff of biosolids or stormwater that has been in contact with biosolids, violation of the odor prohibition in subsection 62-296.320(2), F.A.C., and vector attraction.

[62-640.850(5)]

#### **D. Disposal**

- 22. Disposal of biosolids, septage, and "other solids" in a solid waste disposal facility, or disposal by placement on land for purposes other than soil conditioning or fertilization, such as at a monofill, surface impoundment, waste pile, or dedicated site, shall be in accordance with Chapter 62-701, F.A.C. [62-640.100(6)(b) & (c)]

#### **E. Transfer**

- 23. The permittee shall not be held responsible for treatment and management violations that occur after its biosolids have been accepted by a permitted biosolids treatment facility with which the source facility has an agreement in accordance with subsection 62-640.880(1)(c), F.A.C., for further treatment, management, or disposal. [62-640.880(1)(b)]
- 24. The permittee shall keep hauling records to track the transport of biosolids between the facilities. The hauling records shall contain the following information:

| Source Facility                                      | Biosolids Treatment Facility or Treatment Facility      |
|--|---|
| 1. Date and time shipped                             | 1. Date and time received                               |
| 2. Amount of biosolids shipped                       | 2. Amount of biosolids received                         |
| 3. Degree of treatment (if applicable)               | 3. Name and ID number of source facility                |
| 4. Name and ID Number of treatment facility          | 4. Signature of hauler                                  |
| 5. Signature of responsible party at source facility | 5. Signature of responsible party at treatment facility |
| 6. Signature of hauler and name of hauling firm      |   |

A copy of the source facility hauling records for each shipment shall be provided upon delivery of the biosolids to the biosolids treatment facility or treatment facility. The treatment facility permittee shall report to the Department within 24 hours of discovery any discrepancy in the quantity of biosolids leaving the source facility and arriving at the biosolids treatment facility or treatment facility.

[62-640.880(4)]

#### **F. Receipt**

- 25. If the permittee intends to accept biosolids from other facilities, a permit revision is required pursuant to paragraph 62-640.880(2)(d), F.A.C. [62-640.880(2)(d)]

### **III. GROUND WATER REQUIREMENTS**

- 1. The permittee shall give at least 72-hours' notice to the Department's Southwest District Office, prior to the installation of any monitoring wells. [62-520.600(6)(h)]
- 2. Before construction of new ground water monitoring wells, a soil boring shall be made at each new monitoring well location to properly determine monitoring well specifications such as well depth, screen interval, screen slot, and filter pack. [62-520.600(6)(g)]

3. Within 30 days after installation of a monitoring well, the permittee shall submit to the Department's Southwest District Office well completion reports and soil boring/lithologic logs on the attached DEP Form(s) 62-520.900(3), Monitoring Well Completion Report. [62-520.600(6)(j) and .900(3)]
4. All piezometers and monitoring wells not part of the approved ground water monitoring plan shall be plugged and abandoned in accordance with Rule 62-532.500(5), F.A.C., unless future use is intended. [62-532.500(5)]
5. For the Part III Public Access system, R-001, all ground water quality criteria specified in Chapter 62-520, F.A.C., shall be met at the edge of the zone of discharge. The zone of discharge shall extend horizontally 100 feet from the application site(s) or to the property boundaries, whichever is less, and vertically to the base of the surficial aquifer. [62-520.200(27)] [62-520.465]
6. The ground water minimum criteria specified in Rule 62-520.400 F.A.C., shall be met within the zone of discharge. [62-520.400 and 62-520.420(4)]
7. If the concentration for any constituent listed in Permit Condition III.10. in the natural background quality of the ground water is greater than the stated maximum, or in the case of pH is also less than the minimum, the representative background quality shall be the prevailing standard. [62-520.420(2)]
8. During the period of operation authorized by this permit, the permittee shall continue to sample ground water at the monitoring wells identified in Permit Condition III.9., below in accordance with this permit and the approved ground water monitoring plan prepared in accordance with Rule 62-520.600, F.A.C. [62-520.600] [62-610.463]
9. The following monitoring wells shall be sampled for Reuse System R-001.

| Monitoring Well ID | Alternate Well Name and/or Description of Monitoring Location | Latitude   | Longitude  | Aquifer Monitored | Well Type    | New or Existing |
|--------------------|---|------------|------------|-------------------|--------------|-----------------|
| MWB-04             | HMW-5 Highlands Park CC Background                            | 27°55' 13" | 82°46' 16" | Surficial         | Background   | Existing        |
| MWC-08             | LMGC-2 Largo Municipal GC Compliance                          | 27°49' 59" | 82°49' 21" | Surficial         | Compliance   | Existing        |
| MWC-09             | LMGC-3 Largo Municipal GC Compliance                          | 27°49' 3"  | 82°49' 26" | Surficial         | Compliance   | Existing        |
| MWC-11             | HMW-1 Highlands Park CC Compliance                            | 27°46' 13" | 82°46' 28" | Surficial         | Compliance   | Existing        |
| MWC-12             | HMW-4 Highlands Park CC Compliance                            | 27°55' 20" | 82°46' 25" | Surficial         | Compliance   | Existing        |
| MWI-07             | LMGI-1 Largo Municipal GC                                     | 27°42' 27" | 82°42' 11" | Surficial         | Intermediate | Existing        |
| MWI-08             | HMW-3 Highlands Park CC Intermediate                          | 27°55' 19" | 82°46' 20" | Surficial         | Intermediate | Existing        |

[62-520.600] [62-610.463]

10. The following parameters shall be analyzed for each monitoring well identified in Permit Condition III.9.:

| Parameter                       | Compliance Well Limit | Units   | Sample Type | Monitoring Frequency |
|---------------------------------|-----------------------|---------|-------------|----------------------|
| Water Level Relative to NGVD    | Report                | ft      | In Situ     | Quarterly            |
| Nitrogen, Nitrate, Total (as N) | 10                    | mg/L    | Grab        | Quarterly            |
| Solids, Total Dissolved (TDS)   | 500                   | mg/L    | Grab        | Quarterly            |
| Arsenic, Total Recoverable      | 10                    | ug/L    | Grab        | Quarterly            |
| Chloride (as Cl)                | 250                   | mg/L    | Grab        | Quarterly            |
| Cadmium, Total Recoverable      | 5                     | ug/L    | Grab        | Quarterly            |
| Chromium, Total Recoverable     | 100                   | ug/L    | Grab        | Quarterly            |
| Lead, Total Recoverable         | 15                    | ug/L    | Grab        | Quarterly            |
| Coliform, Fecal                 | 4                     | #/100mL | Grab        | Quarterly            |

| Parameter                 | Compliance Well Limit | Units | Sample Type | Monitoring Frequency |
|---------------------------|-----------------------|-------|-------------|----------------------|
| pH                        | 6.5-8.5               | s.u.  | In Situ     | Quarterly            |
| Sulfate, Total            | 250                   | mg/L  | Grab        | Quarterly            |
| Turbidity                 | Report                | NTU   | Grab        | Quarterly            |
| Sodium, Total Recoverable | 160                   | mg/L  | Grab        | Quarterly            |

[62-520.600(11) (b)] [62-600.670] [62-600.650(3)] [62-520.310(5)]

11. Water levels shall be recorded before evacuating each well for sample collection. Elevation references shall include the top of the well casing and land surface at each well site (NAVD allowable) at a precision of plus or minus 0.01 foot. [62-520.600(11) (c)] [62-610.463(3)(a)]
12. Ground water monitoring wells shall be purged prior to sampling to obtain representative samples. [62-160.210] [62-600.670(3)]
13. Analyses shall be conducted on unfiltered samples, unless filtered samples have been approved by the Department's Southwest District Office as being more representative of ground water conditions. [62-520.310(5)]
14. Ground water monitoring test results shall be submitted on Part D of Form 62-620.910(10) in accordance with Permit Condition I.C.7. [62-520.600(11) (b)] [62-600.670] [62-600.680(1)] [62-620.610(18)]
15. If any monitoring well becomes inoperable or damaged to the extent that sampling or well integrity may be affected, the permittee shall notify the Department's Southwest District Office within two business days from discovery, and a detailed written report shall follow within ten days after notification to the Department. The written report shall detail what problem has occurred and remedial measures that have been taken to prevent recurrence or request approval for replacement of the monitoring well. All monitoring well design and replacement shall be approved by the Department's Southwest District Office before installation. [62-520.600(6)(l)]
16. With the application for permit renewal, the permittee shall submit, to the Southwest District Office, the results of sampling monitoring wells specified in the Department-approved monitoring plan under Permit Condition VI. 1, item a and b, for the primary and secondary drinking water parameters included in Rules 62-550.310 and 62-550.320, F.A.C., (except for asbestos and all parameters in Table 5 of Chapter 62-550, F.A.C., other than Di(2-ethylhexyl) adipate and Di(2-ethylhexyl) phthalate). Results of this sampling shall be submitted to the Department's Southwest District Office with the application for permit renewal. Sampling shall occur no sooner than 180 days before submittal of the renewal application. [62-520.600(5)(b)]

#### IV. ADDITIONAL REUSE AND LAND APPLICATION REQUIREMENTS

##### A. Part III Public Access System(s)

1. Use of reclaimed water is authorized within the general service area consisting of the limits of the City of Largo and including the Carillon area within the City of St. Petersburg. The following uses of reclaimed water are authorized within this general service area: Athletic Complexes and Parks, Golf Course Irrigation, Golf Courses, Residential Developments, Residential Irrigation, Industrial Uses and Other Landscape Irrigation. [62-620.630(10)(d)]
2. This reuse system includes the following major user(s) of reclaimed water (i.e., using 0.1 MGD or more) and general service area(s):

| Site Number | User Name             | User Type       | Capacity (MGD) | Acreage |
|-------------|-----------------------|-----------------|----------------|---------|
| PAA-001     | RESCO - Cooling Tower | Industrial Uses | 0.571          | 0       |
| PAA-002     | Cove Cay Country Club | Golf Courses    | 0.192          | 100     |
| PAA-003     | East Bay Country Club | Golf Courses    | 0.245          | 128     |



PERMITTEE: City of Largo. AWWTF  
FACILITY: City of Largo

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| Site Number | User Name                        | User Type                  | Capacity (MGD) | Acreage |
|-------------|----------------------------------|----------------------------|----------------|---------|
| PAA-004     | Carillon                         | Other Landscape Irrigation | 0.131          | 432     |
| PAA-005     | Area Wide Residential/Commercial | Other Landscape Irrigation | 2.657          | 0       |
| Total       |                                  |                            | 3.796          | 660     |

*[62-610.800(5)] [62-620.630(10)(b)]*

3. New major users of reclaimed water (i.e., using 0.1 MGD or more) may be added to the reuse system using the general permit described in Rule 62-610.890, F.A.C., if the requirements in this rule are complied with. Application for use of this general permit shall be made using Form 62-610.300(4)(a)1. *[62-610.890]*
4. Cross-connections to the potable water system are prohibited. *[62-610.469(7)]*
5. A cross-connection control program shall be implemented and/or remain in effect within the areas where reclaimed water will be provided for use and shall be in compliance with the Rule 62-555.360, F.A.C. *[62-610.469(7)]*
6. The permittee shall conduct inspections within the reclaimed water service area to verify proper connections, to minimize illegal cross-connections, and to verify both the proper use of reclaimed water and that the proper backflow prevention assemblies or devices have been installed and tested. Inspections are required when a customer first connects to the reuse distribution system. Subsequent inspections are required as specified in the cross-connection control and inspection program. *[62-610.469(7)(h)]*
7. If an actual or potential (e.g. no dual check device on residential connections served by a reuse system) cross-connection between the potable and reclaimed water systems is discovered, the permittee shall:
  - a. Immediately discontinue potable water and/or reclaimed water service to the affected area if an actual cross-connection is discovered.
  - b. If the potable water system is contaminated, clear the potable water lines.
  - c. Eliminate the cross-connection and install a backflow prevention device as required by the Rule 62-555.360, F.A.C.
  - d. Test the affected area for other possible cross-connections.
  - e. Within 24 hours, notify the Department's Southwest District Office's domestic wastewater and drinking water programs.
  - f. Within 5 days of discovery of an actual or potential cross-connection, submit a written report to the Department's Southwest District Office detailing: a description of the cross-connection, how the cross-connection was discovered, the exact date and time of discovery, approximate time that the cross-connection existed, the location, the cause, steps taken to eliminate the cross-connection, whether reclaimed water was consumed, and reports of possible illness, whether the drinking water system was contaminated and the steps taken to clear the drinking water system, when the cross-connection was eliminated, plan of action for testing for other possible cross-connections in the area, and an evaluation of the cross-connection control and inspection program to ensure that future cross-connections do not occur.

*[62-555.350(3) and 62-555.360][62-620.610(20)]*

8. Maximum obtainable separation of reclaimed water lines and potable water lines shall be provided and the minimum separation distances specified in Rule 62-610.469(7), F.A.C., shall be provided. Reuse facilities shall be color coded or marked. Underground piping which is not manufactured of metal or concrete shall be color coded using Pantone Purple 522C using light stable colorants. Underground metal and concrete pipe shall be color coded or marked using purple as the predominant color. *[62-610.469(7)]*

9. In constructing reclaimed water distribution piping, the permittee shall maintain a 75-foot setback distance from a reclaimed water transmission facility to public water supply wells. No setback distances are required to other potable water supply wells or to any nonpotable water supply wells. *[62-610.471(3)]*
10. A setback distance of 75 feet shall be maintained between the edge of the wetted area and potable water supply wells, unless the utility adopts and enforces an ordinance prohibiting potable water supply wells within the reuse service area. No setback distances are required to any nonpotable water supply well, to any surface water, to any developed areas, or to any private swimming pools, hot tubs, spas, saunas, picnic tables, barbecue pits, or barbecue grills. *[62-610.471(1), (2), (5), and (7)]*
11. Reclaimed water shall not be used to fill swimming pools, hot tubs, or wading pools. *[62-610.469(4)]*
12. Low trajectory nozzles, or other means to minimize aerosol formation shall be used within 100 feet from outdoor public eating, drinking, or bathing facilities. *[62-610.471(6)]*
13. A setback distance of 100 feet shall be maintained from indoor aesthetic features using reclaimed water to adjacent indoor public eating and drinking facilities. *[62-610.471(8)]*
14. The public shall be notified of the use of reclaimed water. This shall be accomplished by posting of advisory signs in areas where reuse is practiced, notes on scorecards, or other methods. *[62-610.468(2)]*
15. All new advisory signs and labels on vaults, service boxes, or compartments that house hose bibbs along with all labels on hose bibbs, valves, and outlets shall bear the words "do not drink" and "no beber" along with the equivalent standard international symbol. In addition to the words "do not drink" and "no beber," advisory signs posted at storage ponds and decorative water features shall also bear the words "do not swim" and "no nadar" along with the equivalent standard international symbols. Existing advisory signs and labels shall be retrofitted, modified, or replaced in order to comply with the revised wording requirements. For existing advisory signs and labels this retrofit, modification, or replacement shall occur within 365 days after the date of this permit. For labels on existing vaults, service boxes, or compartments housing hose bibbs this retrofit, modification, or replacement shall occur within 730 days after the date of this permit. *[62-610.468, 62-610.469]*
16. The permittee shall ensure that users of reclaimed water are informed about the origin, nature, and characteristics of reclaimed water; the manner in which reclaimed water can be safely used; and limitations on the use of reclaimed water. Notification is required at the time of initial connection to the reclaimed water distribution system and annually after the reuse system is placed into operation. A description of on-going public notification activities shall be included in the Annual Reuse Report. *[62-610.468(6)]*
17. Routine aquatic weed control and regular maintenance of storage pond embankments and access areas are required. *[62-610.414(8)]*
18. Overflows from emergency discharge facilities on storage ponds shall be reported as abnormal events in accordance with Permit Condition IX.20. *[62-610.800(9)]*

## **V. OPERATION AND MAINTENANCE REQUIREMENTS**

### **A. Staffing Requirements**

1. During the period of operation authorized by this permit, the wastewater facilities shall be operated under the supervision of one or more operators certified in accordance with Chapter 62-602, F.A.C. In accordance with Chapter 62-699, F.A.C., this facility is a Category I, Class A facility and, at a minimum, operators with appropriate certification must be on the site as follows:

A Class C or higher operator 24 hours/day for 7 days/week. The lead/chief operator must be a Class A operator.

*[62-620.630(3)][62-699.310] [62-610.462]*

2. The lead/chief operator shall be employed at the plant full time. "Full time" shall mean at least 4 days per week, working a minimum of 35 hours per week, including leave time. A licensed operator shall be on-site and in charge of each required shift for periods of required staffing time when the lead/chief operator is not on-site. An operator meeting the lead/chief operator class for the treatment plant shall be available during all periods of plant operation. "Available" means able to be contacted as needed to initiate the appropriate action in a timely manner. *[62-699.311(10), (6) and (1)]*

#### **B. Capacity Analysis Report and Operation and Maintenance Performance Report Requirements**

1. The application to renew this permit shall include an updated capacity analysis report prepared in accordance with Rule 62-600.405, F.A.C. *[62-600.405(5)]*
2. The application to renew this permit shall include a detailed operation and maintenance performance report prepared in accordance with Rule 62-600.735, F.A.C. *[62-600.735(1)]*

#### **C. Recordkeeping Requirements**

1. The permittee shall maintain the following records and make them available for inspection on the site of the permitted facility.
  - a. Records of all compliance monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, including, if applicable, a copy of the laboratory certification showing the certification number of the laboratory, for at least three years from the date the sample or measurement was taken;
  - b. Copies of all reports required by the permit for at least three years from the date the report was prepared;
  - c. Records of all data, including reports and documents, used to complete the application for the permit for at least three years from the date the application was filed;
  - d. Monitoring information, including a copy of the laboratory certification showing the laboratory certification number, related to the residuals use and disposal activities for the time period set forth in Chapter 62-640, F.A.C., for at least three years from the date of sampling or measurement;
  - e. A copy of the current permit;
  - f. A copy of the current operation and maintenance manual as required by Chapter 62-600, F.A.C.;
  - g. A copy of any required record drawings;
  - h. Copies of the licenses of the current certified operators;
  - i. Copies of the logs and schedules showing plant operations and equipment maintenance for three years from the date of the logs or schedules. The logs shall, at a minimum, include identification of the plant; the signature and license number of the operator(s) and the signature of the person(s) making any entries; date and time in and out; specific operation and maintenance activities, including any preventive maintenance or repairs made or requested; results of tests performed and samples taken, unless documented on a laboratory sheet; and notation of any notification or reporting completed in accordance with Rule 62-602.650(3), F.A.C. The logs shall be maintained on-site in a location accessible to 24-hour inspection, protected from weather damage, and current to the last operation and maintenance performed; and
  - j. Records of biosolids quantities, treatment, monitoring, and hauling for at least five years.

*[62-620.350, 62-602.650, 62-640.650(4)]*

#### **VI. SCHEDULES**

1. The following improvement actions shall be completed according to the following schedule:

| Improvement Action  | Completion Date   |
|---|---|
| a. Submit a proposal identifying the wells in the Department-approved monitoring plan to be sampled to meet the requirements of Permit Condition III.16. The proposal should justify the monitoring well selection and include at least one compliance well and one intermediate well. Compliance well selections should be based on recent groundwater conditions. | 15 months prior to permit expiration.   |
| b. Sample the monitoring wells approved by the Department in accordance with Permit Condition III.16 and submit the sampling results with the permit renewal application.   | Sampling shall occur no sooner than 180 days before submittal of the renewal application. |
| c. Submit a report with findings and recommendations for the re-evaluation of the existing ground water monitoring plan.  | Within 120 days of permit effective date  |
| d. Provide appropriate documentation as required in permit conditions VIII. 1   | As required by permit conditions VIII. 1  |
| e. Provide appropriate documentation as required in permit conditions VIII. 2   | As required by permit conditions VIII. 2  |
| f. Submit an application for renewal as required in permit Conditions VI.2. a.  | At least 180 days before the permit expiration date.                                      |

[62-620.320(6)]

2. The permittee is not authorized to discharge to waters of the state after the expiration date of this permit, unless:
  - a. The permittee has applied for renewal of this permit at least 180 days before the expiration date of this permit using the appropriate forms listed in Rule 62-620.910, F.A.C., and in the manner established in the Department of Environmental Protection Guide to Permitting Wastewater Facilities or Activities Under Chapter 62-620, F.A.C., including submittal of the appropriate processing fee set forth in Rule 62-4.050, F.A.C.; or
  - b. The permittee has made complete the application for renewal of this permit before the permit expiration date.

Please note, effluent testing shall be conducted for each outfall in accordance with the instructions provided in Sections 3. A.12., 13., and 14. of the application form. A minimum of three samples shall be taken within four and one-half years prior to the date of the permit application and must be representative of the seasonal variation in the discharge from each outfall. [62-620.335(1) - (4)]

## VII. INDUSTRIAL PRETREATMENT PROGRAM REQUIREMENTS

### A. Implementation Requirements

1. The permittee shall function as the Control Authority and shall be responsible for the performance of all pretreatment program requirements contained in Chapter 62-625, F.A.C. The permittee shall be subject to enforcement actions, penalties, and other remedies by the Department or other appropriate parties. The permittee shall implement and enforce its Approved Pretreatment Program. The permittee's Approved Pretreatment Program is hereby made an enforceable condition of this permit. The Department may initiate enforcement action against an industrial user for noncompliance with applicable standards and requirements. [62-625.500]
2. The permittee shall enforce the requirements promulgated under Sections 307(b), 307(c), 307(d), and 402(b) of the Act. The permittee shall cause industrial users subject to Federal Categorical Standards to achieve compliance no later than the date specified in those requirements or, in the case of new industrial users, upon commencement of the discharge. [62-625.410]
3. The permittee shall perform the pretreatment functions as required in Chapter 62-625, F.A.C., including, but not limited to, the following:

- a. Implementing the necessary legal authorities as provided in Rule 62-625.500(2)(a), F.A.C. This includes, among other things, the authority to require compliance with applicable pretreatment standards, which includes general prohibitions listed in Rule 62-625.400(1), F.A.C., specific prohibitions in Rule 62-625.400(2), F.A.C., locally developed limits as required by Rules 62-625.400(3) and (4), F.A.C., and national categorical limits in accordance with Rule 62-625.410, F.A.C.;
- b. Implementing the programmatic functions as required under Rule 62-625.500(2)(b), F.A.C.;
- c. Providing the required funding, equipment, and personnel to implement the pretreatment program as provided in Rules 62-625.500(2), (3), and (4), F.A.C.; and
- d. Providing a written technical evaluation that local limits have been developed in accordance with Rule 62-625.400(3)(a), F.A.C. The evaluation shall verify whether existing local limits protect the wastewater facilities, and if not, the permittee shall develop new local limits as part of the evaluation in accordance with Rule 62-625.600(16), F.A.C. For new local limits, a plan of study shall be submitted to the Department prior to initiating sampling required to develop the new local limits. This evaluation shall be submitted to the Department at the address in the condition below within 180 days after permit renewal.

[62-625.400 and .500]

4. As required by Rules 62-625.600(8) and (12), F.A.C., the permittee shall submit a signed copy of the annual report for pretreatment activities, including DMRs for Monitoring Site Numbers PRT-I, PRT-E, and PRT-R for this facility, to the Department at the following address:

Florida Department of Environmental Protection  
Domestic Wastewater Section, Mail Station 3540  
Bob Martinez Center  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

The annual report shall contain the information required in accordance with Rule 62-625.600(8), F.A.C., except section (8)(f) as noted below, and shall describe the permittee's pretreatment activities for the reporting year. In the event that the permittee is not in compliance with any conditions or requirements of the pretreatment program, then the permittee shall also include the reasons for noncompliance and state how and when the permittee shall comply with such conditions and requirements.

In order to comply with Rule 62-625.600(8)(f), F.A.C., the permittee shall submit annual DMRs with the analytical results of influent, effluent, and residuals for those pollutants listed on the DMRs. For any other nonpriority pollutants which the permittee believes may be causing or contributing to interference, pass through, or adversely impacting residuals quality, the annual report shall provide a summary of all analytical results of influent, effluent, and residuals. The annual report and DMRs are due on May 1 of each year, to cover a period between January 1 to December 31. [62-625.600(8) and (12)]

5. No additional facilities are covered by the Largo City of (FL0026603) pretreatment program.
6. Samples for Monitoring Site Numbers PRT-I, PRT-E, and PRT-R shall be taken at the monitoring site locations described below:

| Monitoring Site Number | Description of Monitoring Location                                     |
|------------------------|--|
| PRT-I                  | At headworks prior to treatment and ahead of return activated sludge t |
| PRT-E                  | After decoloration and prior to Outfall.                               |
| PRT-R                  | From Storage Bins.   |

## VIII. OTHER SPECIFIC CONDITIONS

1. Prior to placing the modifications to existing facilities into operation or any individual unit processes into operation, for any purpose other than testing for leaks and equipment operation, the permittee shall complete and

submit to the Department DEP Form 62-620.910(12), Notification of Completion of Construction for Domestic Wastewater Facilities. Modifications may be grouped together for this purpose. [62-620.630(2)]

2. Within six months after a facility is placed in operation, the permittee shall provide written certification to the Department on Form 62-620.910(13) that record drawings pursuant to Chapter 62-600, F.A.C., and that an operation and maintenance manual pursuant to Chapters 62-600 and 62-610, F.A.C., as applicable, are available at the location specified on the form. [62-620.630(7)]
3. In the event that the treatment facilities or equipment no longer function as intended, are no longer safe in terms of public health and safety, or odor, noise, aerosol drift, or lighting adversely affects neighboring developed areas at the levels prohibited by Rule 62-600.400(2)(a), F.A.C., corrective action (which may include additional maintenance or modifications of the permitted facilities) shall be taken by the permittee. Other corrective action may be required to ensure compliance with rules of the Department. Additionally, the treatment, management, use or land application of residuals shall not cause a violation of the odor prohibition in Rule 62-296.320(2), F.A.C. [62-600.410(5) and 62-640.400(6)]
4. The deliberate introduction of stormwater in any amount into collection/transmission systems designed solely for the introduction (and conveyance) of domestic/industrial wastewater; or the deliberate introduction of stormwater into collection/transmission systems designed for the introduction or conveyance of combinations of storm and domestic/industrial wastewater in amounts which may reduce the efficiency of pollutant removal by the treatment plant is prohibited, except as provided by Rule 62-610.472, F.A.C. [62-604.130(3)]
5. Collection/transmission system overflows shall be reported to the Department in accordance with Permit Condition IX. 20. [62-604.550] [62-620.610(20)]
6. The operating authority of a collection/transmission system and the permittee of a treatment plant are prohibited from accepting connections of wastewater discharges which have not received necessary pretreatment or which contain materials or pollutants (other than normal domestic wastewater constituents):
  - a. Which may cause fire or explosion hazards; or
  - b. Which may cause excessive corrosion or other deterioration of wastewater facilities due to chemical action or pH levels; or
  - c. Which are solid or viscous and obstruct flow or otherwise interfere with wastewater facility operations or treatment; or
  - d. Which result in the wastewater temperature at the introduction of the treatment plant exceeding 40°C or otherwise inhibiting treatment; or
  - e. Which result in the presence of toxic gases, vapors, or fumes that may cause worker health and safety problems.[62-604.130(5)]
7. The treatment facility, storage ponds for Part II systems, rapid infiltration basins, and/or infiltration trenches shall be enclosed with a fence or otherwise provided with features to discourage the entry of animals and unauthorized persons. [62-600.400(2)(b)]
8. Screenings and grit removed from the wastewater facilities shall be collected in suitable containers and hauled to a Department approved Class I landfill or to a landfill approved by the Department for receipt/disposal of screenings and grit. [62-701.300(1)(a)]
9. Where required by Chapter 471 or Chapter 492, F.S., applicable portions of reports that must be submitted under this permit shall be signed and sealed by a professional engineer or a professional geologist, as appropriate. [62-620.310(4)]

10. The permittee shall provide verbal notice to the Department's Southwest District Office as soon as practical after discovery of a sinkhole or other karst feature within an area for the management or application of wastewater, wastewater residuals (sludges), or reclaimed water. The permittee shall immediately implement measures appropriate to control the entry of contaminants, and shall detail these measures to the Department's Southwest District Office in a written report within 7 days of the sinkhole discovery. [62-620.320(6)]

## IX. GENERAL CONDITIONS

1. The terms, conditions, requirements, limitations, and restrictions set forth in this permit are binding and enforceable pursuant to Chapter 403, Florida Statutes. Any permit noncompliance constitutes a violation of Chapter 403, Florida Statutes, and is grounds for enforcement action, permit termination, permit revocation and reissuance, or permit revision. [62-620.610(1)]
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviations from the approved drawings, exhibits, specifications, or conditions of this permit constitutes grounds for revocation and enforcement action by the Department. [62-620.610(2)]
3. As provided in subsection 403.087(7), F.S., the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor authorize any infringement of federal, state, or local laws or regulations. This permit is not a waiver of or approval of any other Department permit or authorization that may be required for other aspects of the total project which are not addressed in this permit. [62-620.610(3)]
4. This permit conveys no title to land or water, does not constitute state recognition or acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title. [62-620.610(4)]
5. This permit does not relieve the permittee from liability and penalties for harm or injury to human health or welfare, animal or plant life, or property caused by the construction or operation of this permitted source; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department. The permittee shall take all reasonable steps to minimize or prevent any discharge, reuse of reclaimed water, or residuals use or disposal in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [62-620.610(5)]
6. If the permittee wishes to continue an activity regulated by this permit after its expiration date, the permittee shall apply for and obtain a new permit. [62-620.610(6)]
7. The permittee shall at all times properly operate and maintain the facility and systems of treatment and control, and related appurtenances, that are installed and used by the permittee to achieve compliance with the conditions of this permit. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to maintain or achieve compliance with the conditions of the permit. [62-620.610(7)]
8. This permit may be modified, revoked and reissued, or terminated for cause. The filing of a request by the permittee for a permit revision, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition. [62-620.610(8)]
9. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, including an authorized representative of the Department and authorized EPA personnel, when applicable, upon presentation of credentials or other documents as may be required by law, and at reasonable times, depending upon the nature of the concern being investigated, to:
  - a. Enter upon the permittee's premises where a regulated facility, system, or activity is located or conducted, or where records shall be kept under the conditions of this permit;

- b. Have access to and copy any records that shall be kept under the conditions of this permit;
- c. Inspect the facilities, equipment, practices, or operations regulated or required under this permit; and
- d. Sample or monitor any substances or parameters at any location necessary to assure compliance with this permit or Department rules.

*[62-620.610(9)]*

10. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data, and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except as such use is proscribed by Section 403.111, F.S., or Rule 62-620.302, F.A.C. Such evidence shall only be used to the extent that it is consistent with the Florida Rules of Civil Procedure and applicable evidentiary rules. *[62-620.610(10)]*
11. When requested by the Department, the permittee shall within a reasonable time provide any information required by law which is needed to determine whether there is cause for revising, revoking and reissuing, or terminating this permit, or to determine compliance with the permit. The permittee shall also provide to the Department upon request copies of records required by this permit to be kept. If the permittee becomes aware of relevant facts that were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be promptly submitted or corrections promptly reported to the Department. *[62-620.610(11)]*
12. Unless specifically stated otherwise in Department rules, the permittee, in accepting this permit, agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance; provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules. A reasonable time for compliance with a new or amended surface water quality standard, other than those standards addressed in Rule 62-302.500, F.A.C., shall include a reasonable time to obtain or be denied a mixing zone for the new or amended standard. *[62-620.610(12)]*
13. The permittee, in accepting this permit, agrees to pay the applicable regulatory program and surveillance fee in accordance with Rule 62-4.052, F.A.C. *[62-620.610(13)]*
14. This permit is transferable only upon Department approval in accordance with Rule 62-620.340, F.A.C. The permittee shall be liable for any noncompliance of the permitted activity until the transfer is approved by the Department. *[62-620.610(14)]*
15. The permittee shall give the Department written notice at least 60 days before inactivation or abandonment of a wastewater facility or activity and shall specify what steps will be taken to safeguard public health and safety during and following inactivation or abandonment. *[62-620.610(15)]*
16. The permittee shall apply for a revision to the Department permit in accordance with Rules 62-620.300, F.A.C., and the Department of Environmental Protection Guide to Permitting Wastewater Facilities or Activities Under Chapter 62-620, F.A.C., at least 90 days before construction of any planned substantial modifications to the permitted facility is to commence or with Rule 62-620.325(2), F.A.C., for minor modifications to the permitted facility. A revised permit shall be obtained before construction begins except as provided in Rule 62-620.300, F.A.C. *[62-620.610(16)]*
17. The permittee shall give advance notice to the Department of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements. The permittee shall be responsible for any and all damages which may result from the changes and may be subject to enforcement action by the Department for penalties or revocation of this permit. The notice shall include the following information:
  - a. A description of the anticipated noncompliance;
  - b. The period of the anticipated noncompliance, including dates and times; and
  - c. Steps being taken to prevent future occurrence of the noncompliance.



[62-620.610(17)]

18. Sampling and monitoring data shall be collected and analyzed in accordance with Rule 62-4.246 and Chapters 62-160, 62-600, and 62-610, F.A.C., and 40 CFR 136, as appropriate.
- Monitoring results shall be reported at the intervals specified elsewhere in this permit and shall be reported on a Discharge Monitoring Report (DMR), DEP Form 62-620.910(10), or as specified elsewhere in the permit.
  - If the permittee monitors any contaminant more frequently than required by the permit, using Department approved test procedures, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the DMR.
  - Calculations for all limitations which require averaging of measurements shall use an arithmetic mean unless otherwise specified in this permit.
  - Except as specifically provided in Rule 62-160.300, F.A.C., any laboratory test required by this permit shall be performed by a laboratory that has been certified by the Department of Health Environmental Laboratory Certification Program (DOH ELCP). Such certification shall be for the matrix, test method and analyte(s) being measured to comply with this permit. For domestic wastewater facilities, testing for parameters listed in Rule 62-160.300(4), F.A.C., shall be conducted under the direction of a certified operator.
  - Field activities including on-site tests and sample collection shall follow the applicable standard operating procedures described in DEP-SOP-001/01 adopted by reference in Chapter 62-160, F.A.C.
  - Alternate field procedures and laboratory methods may be used where they have been approved in accordance with Rules 62-160.220, and 62-160.330, F.A.C.

[62-620.610(18)]

19. Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule detailed elsewhere in this permit shall be submitted no later than 14 days following each schedule date. [62-620.610(19)]
20. The permittee shall report to the Department's Southwest District Office any noncompliance which may endanger health or the environment. Any information shall be provided orally within 24 hours from the time the permittee becomes aware of the circumstances. A written submission shall also be provided within five days of the time the permittee becomes aware of the circumstances. The written submission shall contain: a description of the noncompliance and its cause; the period of noncompliance including exact dates and time, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance.
- The following shall be included as information which must be reported within 24 hours under this condition:
    - Any unanticipated bypass which causes any reclaimed water or effluent to exceed any permit limitation or results in an unpermitted discharge,
    - Any upset which causes any reclaimed water or the effluent to exceed any limitation in the permit,
    - Violation of a maximum daily discharge limitation for any of the pollutants specifically listed in the permit for such notice, and
    - Any unauthorized discharge to surface or ground waters.
  - Oral reports as required by this subsection shall be provided as follows:
    - For unauthorized releases or spills of treated or untreated wastewater reported pursuant to subparagraph IX.20. (a)4. that are in excess of 1,000 gallons per incident, or where information indicates that public health or the environment will be endangered, oral reports shall be provided to the STATE WATCH OFFICE TOLL FREE NUMBER (800) 320-0519, as soon as practical, but no later than 24 hours from the time the permittee becomes aware of the discharge. The permittee, to the extent known, shall provide the following information to the State Watch Office:
      - Name, address, and telephone number of person reporting;
      - Name, address, and telephone number of permittee or responsible person for the discharge;
      - Date and time of the discharge and status of discharge (ongoing or ceased);

- (d) Characteristics of the wastewater spilled or released (untreated or treated, industrial or domestic wastewater);
  - (e) Estimated amount of the discharge;
  - (f) Location or address of the discharge;
  - (g) Source and cause of the discharge;
  - (h) Whether the discharge was contained on-site, and cleanup actions taken to date;
  - (i) Description of area affected by the discharge, including name of water body affected, if any; and
  - (j) Other persons or agencies contacted.
- (2) Oral reports, not otherwise required to be provided pursuant to subparagraph IX.20.b.1 above, shall be provided to the Department's Southwest District Office within 24 hours from the time the permittee becomes aware of the circumstances.
- c. If the oral report has been received within 24 hours, the noncompliance has been corrected, and the noncompliance did not endanger health or the environment, the Department's Southwest District Office shall waive the written report.

[62-620.610(20)]

21. The permittee shall report all instances of noncompliance not reported under Permit Conditions IX.17., IX.18., or IX.19. of this permit at the time monitoring reports are submitted. This report shall contain the same information required by Permit Condition IX.20. of this permit. [62-620.610(21)]

22. Bypass Provisions.

- a. "Bypass" means the intentional diversion of waste streams from any portion of a treatment works.
- b. Bypass is prohibited, and the Department may take enforcement action against a permittee for bypass, unless the permittee affirmatively demonstrates that:
  - (1) Bypass was unavoidable to prevent loss of life, personal injury, or severe property damage; and
  - (2) There were no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate back-up equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance; and
  - (3) The permittee submitted notices as required under Permit Condition IX.22.c. of this permit.
- c. If the permittee knows in advance of the need for a bypass, it shall submit prior notice to the Department, if possible at least 10 days before the date of the bypass. The permittee shall submit notice of an unanticipated bypass within 24 hours of learning about the bypass as required in Permit Condition IX.20. of this permit. A notice shall include a description of the bypass and its cause; the period of the bypass, including exact dates and times; if the bypass has not been corrected, the anticipated time it is expected to continue; and the steps taken or planned to reduce, eliminate, and prevent recurrence of the bypass.
- d. The Department shall approve an anticipated bypass, after considering its adverse effect, if the permittee demonstrates that it will meet the three conditions listed in Permit Condition IX.22.b.(1) through (3) of this permit.
- e. A permittee may allow any bypass to occur which does not cause reclaimed water or effluent limitations to be exceeded if it is for essential maintenance to assure efficient operation. These bypasses are not subject to the provisions of Permit Condition IX.22.b. through d. of this permit.

[62-620.610(22)]

23. Upset Provisions.

- a. "Upset" means an exceptional incident in which there is unintentional and temporary noncompliance with technology-based effluent limitations because of factors beyond the reasonable control of the permittee.
  - (1) An upset does not include noncompliance caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, careless or improper operation.

PERMITTEE: City of Largo. AWWTF  
FACILITY: City of Largo

PA FILE NO.: FL0026603-013-DW1P/NR

- (2) An upset constitutes an affirmative defense to an action brought for noncompliance with technology based permit effluent limitations if the requirements of upset provisions of Rule 62-620.610, F.A.C., are met.
- b. A permittee who wishes to establish the affirmative defense of upset shall demonstrate, through properly signed contemporaneous operating logs, or other relevant evidence that:
- (1) An upset occurred and that the permittee can identify the cause(s) of the upset;
  - (2) The permitted facility was at the time being properly operated;
  - (3) The permittee submitted notice of the upset as required in Permit Condition IX.20. of this permit; and
  - (4) The permittee complied with any remedial measures required under Permit Condition IX.5. of this permit.
- c. In any enforcement proceeding, the burden of proof for establishing the occurrence of an upset rests with the permittee.
- d. Before an enforcement proceeding is instituted, no representation made during the Department review of a claim that noncompliance was caused by an upset is final agency action subject to judicial review.

[62-620.610(23)]

Executed in Temple Terrace, Florida.

STATE OF FLORIDA DEPARTMENT OF  
ENVIRONMENTAL PROTECTION

**Draft**

Pamala Vazquez  
Program Administrator  
Permitting & Waste Cleanup Program  
Southwest District

**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

**When Completed submit this report to:** <http://www.fldeportal.com/go/>

PERMITTEE NAME: City of Largo.  
MAILING ADDRESS: P.O. Box 296  
Largo, Florida 33779-

FACILITY: City of Largo AWWTP  
LOCATION: 5100 150th Ave. N.  
Clearwater, FL 33760-3502

COUNTY: Pinellas  
OFFICE: Southwest District

PERMIT NUMBER: FL0026603-013-DW1P/NR

LIMIT: Interim  
CLASS SIZE: MA  
MONITORING GROUP NUMBER: D-001  
MONITORING GROUP DESCRIPTION: Outfall D001, with Influent

REPORT FREQUENCY: Monthly  
PROGRAM: Domestic

RE-SUBMITTED DMR: ☐  
NO DISCHARGE FROM SITE: ☐  
MONITORING PERIOD From: \_\_\_\_\_ To: \_\_\_\_\_

| Parameter                                 |                    | Quantity or Loading |                     | Units | Quality or Concentration |                      |                   | Units | No. Ex. | Frequency of Analysis | Sample Type    |
|---|--------------------|---------------------|---------------------|-------|--------------------------|----------------------|-------------------|-------|---------|-----------------------|----------------|
| Flow                                      | Sample Measurement |                     |                     |       |                          |                      |                   |       |         |                       |                |
| PARM Code 50050 Y<br>Mon. Site No. FLW-02 | Permit Requirement |                     | 15.0<br>(An.Avg.)   | MGD   |                          |                      |                   |       |         | Monthly               | Calculated     |
| Flow                                      | Sample Measurement |                     |                     |       |                          |                      |                   |       |         |                       |                |
| PARM Code 50050 I<br>Mon. Site No. FLW-02 | Permit Requirement |                     | Report<br>(Mo.Avg.) | MGD   |                          |                      |                   |       |         | Continuous            | Flow Totalizer |
| BOD, Carbonaceous 5 day, 20C              | Sample Measurement |                     |                     |       |                          |                      |                   |       |         |                       |                |
| PARM Code 80082 Y<br>Mon. Site No. EFA-01 | Permit Requirement |                     |                     |       | 5.0<br>(An.Avg.)         |                      |                   | mg/L  |         | Monthly               | Calculated     |
| BOD, Carbonaceous 5 day, 20C              | Sample Measurement |                     |                     |       |                          |                      |                   |       |         |                       |                |
| PARM Code 80082 A<br>Mon. Site No. EFA-01 | Permit Requirement |                     |                     |       | 24.0<br>(Max.)           | 7.5<br>(Max.Wk.Avg.) | 6.25<br>(Mo.Avg.) | mg/L  |         | Daily; 24 hours       | 24-hr FPC      |
| Solids, Total Suspended                   | Sample Measurement |                     |                     |       |                          |                      |                   |       |         |                       |                |
| PARM Code 00530 Y<br>Mon. Site No. EFA-01 | Permit Requirement |                     |                     |       | 5.0<br>(An.Avg.)         |                      |                   | mg/L  |         | Monthly               | Calculated     |
| Solids, Total Suspended                   | Sample Measurement |                     |                     |       |                          |                      |                   |       |         |                       |                |
| PARM Code 00530 A<br>Mon. Site No. EFA-01 | Permit Requirement |                     |                     |       | 10.0<br>(Max.)           | 7.5<br>(Max.Wk.Avg.) | 6.25<br>(Mo.Avg.) | mg/L  |         | Daily; 24 hours       | 24-hr FPC      |

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

| NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | TELEPHONE NO | DATE (mm/dd/yyyy) |
|---|--|--------------|-------------------|
|   |  |              |                   |

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

## DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: City of Largo AWWTF

MONITORING GROUP

D-001

PERMIT NUMBER: FL0026603-013-DW1P/NR

NUMBER:

MONITORING PERIOD

From: \_\_\_\_\_

To: \_\_\_\_\_

| Parameter                                     |                    | Quantity or Loading |  | Units | Quality or Concentration |                      |                   | Units   | No. Ex. | Frequency of Analysis | Sample Type |
|---|--------------------|---------------------|--|-------|--------------------------|----------------------|-------------------|---------|---------|-----------------------|-------------|
| Nitrogen, Total                               | Sample Measurement |                     |  |       |                          |                      |                   |         |         |                       |             |
| PARM Code 00600 Y<br>Mon. Site No. EFA-01     | Permit Requirement |                     |  |       | 3.0<br>(An.Avg.)         |                      |                   | mg/L    |         | Monthly               | Calculated  |
| Nitrogen, Total                               | Sample Measurement |                     |  |       |                          |                      |                   |         |         |                       |             |
| PARM Code 00600 A<br>Mon. Site No. EFA-01     | Permit Requirement |                     |  |       | 6.0<br>(Max.)            | 4.5<br>(Max.Wk.Avg.) | 3.75<br>(Mo.Avg.) | mg/L    |         | Daily; 24 hours       | 24-hr FPC   |
| Phosphorus, Total (as P)                      | Sample Measurement |                     |  |       |                          |                      |                   |         |         |                       |             |
| PARM Code 00665 Y<br>Mon. Site No. EFA-01     | Permit Requirement |                     |  |       |                          | 1.0<br>(An.Avg.)     |                   | mg/L    |         | Monthly               | Calculated  |
| Phosphorus, Total (as P)                      | Sample Measurement |                     |  |       |                          |                      |                   |         |         |                       |             |
| PARM Code 00665 A<br>Mon. Site No. EFA-01     | Permit Requirement |                     |  |       | 3.0<br>(Max.)            | 2.5<br>(Max.Wk.Avg.) | 1.25<br>(Mo.Avg.) | mg/L    |         | Daily; 24 hours       | 24-hr FPC   |
| Solids, Total Suspended                       | Sample Measurement |                     |  |       |                          |                      |                   |         |         |                       |             |
| PARM Code 00530 B<br>Mon. Site No. EFB-01     | Permit Requirement |                     |  |       |                          |                      | 5.0<br>(Max.)     | mg/L    |         | Daily; 24 hours       | Grab        |
| pH  | Sample Measurement |                     |  |       |                          |                      |                   |         |         |                       |             |
| PARM Code 00400 A<br>Mon. Site No. EFA-01     | Permit Requirement |                     |  |       | 6.0<br>(Min.)            |                      | 8.5<br>(Max.)     | s.u.    |         | Continuous            | Meter       |
| Coliform, Fecal, % less than detection        | Sample Measurement |                     |  |       |                          |                      |                   |         |         |                       |             |
| PARM Code 51005 A<br>Mon. Site No. EFA-01     | Permit Requirement |                     |  |       | 75<br>(Mo.Min.)          |                      |                   | percent |         | Monthly               | Calculated  |
| Coliform, Fecal                               | Sample Measurement |                     |  |       |                          |                      |                   |         |         |                       |             |
| PARM Code 74055 A<br>Mon. Site No. EFA-01     | Permit Requirement |                     |  |       |                          |                      | 25<br>(Max.)      | #/100mL |         | Daily; 24 hours       | Grab        |
| Peracetic Acid                                | Sample Measurement |                     |  |       |                          |                      |                   |         |         |                       |             |
| PARM Code 51674 B<br>Mon. Site No. EFB-02     | Permit Requirement |                     |  |       | 3.0<br>(Min.)            |                      |                   | mg/L    |         | Continuous            | Meter       |
| Chlorine, Total Residual (For Dechlorination) | Sample Measurement |                     |  |       |                          |                      |                   |         |         |                       |             |
| PARM Code 50060 1<br>Mon. Site No. EFD-01     | Permit Requirement |                     |  |       |                          |                      | 0.01<br>(Max.)    | mg/L    |         | Daily; 24 hours       | Grab        |

## DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: City of Largo AWWTF

MONITORING GROUP

D-001

PERMIT NUMBER: FL0026603-013-DW1P/NR

NUMBER:

MONITORING PERIOD

From: \_\_\_\_\_

To: \_\_\_\_\_

| Parameter  |                    | Quantity or Loading |                      | Units   | Quality or Concentration |                   |                  | Units   | No. Ex. | Frequency of Analysis | Sample Type                  |
|--|--------------------|---------------------|----------------------|---------|--------------------------|-------------------|------------------|---------|---------|-----------------------|------------------------------|
| Oxygen, Dissolved (DO)                                   | Sample Measurement |                     |                      |         |                          |                   |                  |         |         |                       |                              |
| PARM Code 00300 1<br>Mon. Site No. EFD-01                | Permit Requirement |                     |                      |         | 3.5<br>(Min.)            |                   |                  | mg/L    |         | Daily; 24 hours       | Grab                         |
| Dichlorobromomethane                                     | Sample Measurement |                     |                      |         |                          |                   |                  |         |         |                       |                              |
| PARM Code 32101 Y<br>Mon. Site No. EFD-01                | Permit Requirement |                     |                      |         |                          | 57.0<br>(An.Avg.) |                  | ug/L    |         | Monthly               | Grab                         |
| Dichlorobromomethane                                     | Sample Measurement |                     |                      |         |                          |                   |                  |         |         |                       |                              |
| PARM Code 32101 1<br>Mon. Site No. EFD-01                | Permit Requirement |                     |                      |         |                          |                   | Report<br>(Max.) | ug/L    |         | Monthly               | Grab                         |
| Nitrogen, Total  | Sample Measurement |                     |                      |         |                          |                   |                  |         |         |                       |                              |
| PARM Code 00600 1<br>Mon. Site No. EFD-01                | Permit Requirement |                     | Report<br>(Mo.Total) | ton/mth |                          |                   |                  |         |         | Monthly               | Calculated                   |
| Nitrogen, Total  | Sample Measurement |                     |                      |         |                          |                   |                  |         |         |                       |                              |
| PARM Code 00600 P<br>Mon. Site No. EFD-01                | Permit Requirement | 22.0<br>(5Yr.Avg.)  | 30.0<br>(An.Total)   | ton/yr  |                          |                   |                  |         |         | Monthly               | Calculated                   |
| 7-DAY CHRONIC STATRE<br>Ceriodaphnia dubia (Routine)     | Sample Measurement |                     |                      |         |                          |                   |                  |         |         |                       |                              |
| PARM Code TRP3B P<br>Mon. Site No. EFD-01                | Permit Requirement |                     |                      |         | 100<br>(Min.)            |                   |                  | percent |         | Quarterly             | 24-hr FPC                    |
| 7-DAY CHRONIC STATRE<br>Ceriodaphnia dubia (Additional)  | Sample Measurement |                     |                      |         |                          |                   |                  |         |         |                       |                              |
| PARM Code TRP3B Q<br>Mon. Site No. EFD-01                | Permit Requirement |                     |                      |         | 100<br>(Min.)            |                   |                  | percent |         | As needed             | As required by<br>the permit |
| 7-DAY CHRONIC STATRE<br>Ceriodaphnia dubia (Additional)  | Sample Measurement |                     |                      |         |                          |                   |                  |         |         |                       |                              |
| PARM Code TRP3B R<br>Mon. Site No. EFD-01                | Permit Requirement |                     |                      |         | 100<br>(Min.)            |                   |                  | percent |         | As needed             | As required by<br>the permit |
| 7-DAY CHRONIC STATRE<br>Pimephales promelas (Routine)    | Sample Measurement |                     |                      |         |                          |                   |                  |         |         |                       |                              |
| PARM Code TRP6C P<br>Mon. Site No. EFD-01                | Permit Requirement |                     |                      |         | 100<br>(Min.)            |                   |                  | percent |         | Quarterly             | 24-hr FPC                    |
| 7-DAY CHRONIC STATRE<br>Pimephales promelas (Additional) | Sample Measurement |                     |                      |         |                          |                   |                  |         |         |                       |                              |
| PARM Code TRP6C Q<br>Mon. Site No. EFD-01                | Permit Requirement |                     |                      |         | 100<br>(Min.)            |                   |                  | percent |         | As needed             | As required by<br>the permit |

## DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: City of Largo AWWTF

MONITORING GROUP

D-001

PERMIT NUMBER: FL0026603-013-DW1P/NR

NUMBER:

MONITORING PERIOD

From: \_\_\_\_\_

To: \_\_\_\_\_

| Parameter  |                    | Quantity or Loading |                     | Units | Quality or Concentration |                     |  | Units   | No. Ex. | Frequency of Analysis | Sample Type               |
|--|--------------------|---------------------|---------------------|-------|--------------------------|---------------------|--|---------|---------|-----------------------|---------------------------|
| 7-DAY CHRONIC STATRE<br>Pimephales promelas (Additional) | Sample Measurement |                     |                     |       |                          |                     |  |         |         |                       |                           |
| PARM Code TRP6C R<br>Mon. Site No. EFD-01                | Permit Requirement |                     |                     |       | 100<br>(Min.)            |                     |  | percent |         | As needed             | As required by the permit |
| Flow   | Sample Measurement |                     |                     |       |                          |                     |  |         |         |                       |                           |
| PARM Code 50050 P<br>Mon. Site No. FLW-03                | Permit Requirement |                     | 18.0<br>(An.Avg.)   | MGD   |                          |                     |  |         |         | Monthly               | Calculated                |
| Flow   | Sample Measurement |                     |                     |       |                          |                     |  |         |         |                       |                           |
| PARM Code 50050 Q<br>Mon. Site No. FLW-03                | Permit Requirement |                     | Report<br>(Mo.Avg.) | MGD   |                          |                     |  |         |         | Continuous            | Flow Totalizer            |
| Percent Capacity,<br>(TMADF/Permitted Capacity) x 100    | Sample Measurement |                     |                     |       |                          |                     |  |         |         |                       |                           |
| PARM Code 00180 1<br>Mon. Site No. FLW-01                | Permit Requirement |                     |                     |       |                          | Report<br>(Mo.Avg.) |  | percent |         | Monthly               | Calculated                |
| BOD, Carbonaceous 5 day, 20C<br>(Influent)               | Sample Measurement |                     |                     |       |                          |                     |  |         |         |                       |                           |
| PARM Code 80082 G<br>Mon. Site No. INF-01                | Permit Requirement |                     |                     |       |                          | Report<br>(Mo.Avg.) |  | mg/L    |         | Weekly                | 24-hr FPC                 |
| Solids, Total Suspended (Influent)                       | Sample Measurement |                     |                     |       |                          |                     |  |         |         |                       |                           |
| PARM Code 00530 G<br>Mon. Site No. INF-01                | Permit Requirement |                     |                     |       |                          | Report<br>(Mo.Avg.) |  | mg/L    |         | Weekly                | 24-hr FPC                 |
|  | Sample Measurement |                     |                     |       |                          |                     |  |         |         |                       |                           |
|  | Permit Requirement |                     |                     |       |                          |                     |  |         |         |                       |                           |
|  | Sample Measurement |                     |                     |       |                          |                     |  |         |         |                       |                           |
|  | Permit Requirement |                     |                     |       |                          |                     |  |         |         |                       |                           |

**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

**When Completed submit this report to:** <http://www.fldeportal.com/go/>

PERMITTEE NAME: City of Largo.  
MAILING ADDRESS: P.O. Box 296  
Largo, Florida 33779-

FACILITY: City of Largo AWWTP  
LOCATION: 5100 150th Ave. N.  
Clearwater, FL 33760-3502

COUNTY: Pinellas  
OFFICE: Southwest District

PERMIT NUMBER: FL0026603-013-DW1P/NR

LIMIT: Final  
CLASS SIZE: MA  
MONITORING GROUP NUMBER: D-001  
MONITORING GROUP DESCRIPTION: Outfall D001, with Influent

REPORT FREQUENCY: Monthly  
PROGRAM: Domestic

RE-SUBMITTED DMR: ☐  
NO DISCHARGE FROM SITE: ☐  
MONITORING PERIOD From: \_\_\_\_\_ To: \_\_\_\_\_

| Parameter                                 |                    | Quantity or Loading |                     | Units | Quality or Concentration |                      |                   | Units | No. Ex. | Frequency of Analysis | Sample Type    |
|---|--------------------|---------------------|---------------------|-------|--------------------------|----------------------|-------------------|-------|---------|-----------------------|----------------|
| Flow                                      | Sample Measurement |                     |                     |       |                          |                      |                   |       |         |                       |                |
| PARM Code 50050 Y<br>Mon. Site No. FLW-02 | Permit Requirement |                     | 15.0<br>(An.Avg.)   | MGD   |                          |                      |                   |       |         | Monthly               | Calculated     |
| Flow                                      | Sample Measurement |                     |                     |       |                          |                      |                   |       |         |                       |                |
| PARM Code 50050 I<br>Mon. Site No. FLW-02 | Permit Requirement |                     | Report<br>(Mo.Avg.) | MGD   |                          |                      |                   |       |         | Continuous            | Flow Totalizer |
| BOD, Carbonaceous 5 day, 20C              | Sample Measurement |                     |                     |       |                          |                      |                   |       |         |                       |                |
| PARM Code 80082 Y<br>Mon. Site No. EFA-01 | Permit Requirement |                     |                     |       | 5.0<br>(An.Avg.)         |                      |                   | mg/L  |         | Monthly               | Calculated     |
| BOD, Carbonaceous 5 day, 20C              | Sample Measurement |                     |                     |       |                          |                      |                   |       |         |                       |                |
| PARM Code 80082 A<br>Mon. Site No. EFA-01 | Permit Requirement |                     |                     |       | 10.0<br>(Max.)           | 7.5<br>(Max.Wk.Avg.) | 6.25<br>(Mo.Avg.) | mg/L  |         | Daily; 24 hours       | 24-hr FPC      |
| Solids, Total Suspended                   | Sample Measurement |                     |                     |       |                          |                      |                   |       |         |                       |                |
| PARM Code 00530 Y<br>Mon. Site No. EFA-01 | Permit Requirement |                     |                     |       | 5.0<br>(An.Avg.)         |                      |                   | mg/L  |         | Monthly               | Calculated     |
| Solids, Total Suspended                   | Sample Measurement |                     |                     |       |                          |                      |                   |       |         |                       |                |
| PARM Code 00530 A<br>Mon. Site No. EFA-01 | Permit Requirement |                     |                     |       | 10.0<br>(Max.)           | 7.5<br>(Max.Wk.Avg.) | 6.25<br>(Mo.Avg.) | mg/L  |         | Daily; 24 hours       | 24-hr FPC      |

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

| NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | TELEPHONE NO | DATE (mm/dd/yyyy) |
|---|--|--------------|-------------------|
|   |  |              |                   |

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):



## DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: City of Largo AWWTP

MONITORING GROUP

D-001

PERMIT NUMBER: FL0026603-013-DW1P/NR

NUMBER:

MONITORING PERIOD

From: \_\_\_\_\_

To: \_\_\_\_\_

| Parameter                                   |                    | Quantity or Loading |  | Units | Quality or Concentration |                      |                   | Units   | No. Ex. | Frequency of Analysis | Sample Type |
|---|--------------------|---------------------|--|-------|--------------------------|----------------------|-------------------|---------|---------|-----------------------|-------------|
| Nitrogen, Total                             | Sample Measurement |                     |  |       |                          |                      |                   |         |         |                       |             |
| PARM Code 00600 Y<br>Mon. Site No. EFA-01   | Permit Requirement |                     |  |       | 3.0<br>(An.Avg.)         |                      |                   | mg/L    |         | Monthly               | Calculated  |
| Nitrogen, Total                             | Sample Measurement |                     |  |       |                          |                      |                   |         |         |                       |             |
| PARM Code 00600 A<br>Mon. Site No. EFA-01   | Permit Requirement |                     |  |       | 6.0<br>(Max.)            | 4.5<br>(Max.Wk.Avg.) | 3.75<br>(Mo.Avg.) | mg/L    |         | Daily; 24 hours       | 24-hr FPC   |
| Phosphorus, Total (as P)                    | Sample Measurement |                     |  |       |                          |                      |                   |         |         |                       |             |
| PARM Code 00665 Y<br>Mon. Site No. EFA-01   | Permit Requirement |                     |  |       |                          | 1.0<br>(An.Avg.)     |                   | mg/L    |         | Monthly               | Calculated  |
| Phosphorus, Total (as P)                    | Sample Measurement |                     |  |       |                          |                      |                   |         |         |                       |             |
| PARM Code 00665 A<br>Mon. Site No. EFA-01   | Permit Requirement |                     |  |       | 2.0<br>(Max.)            | 1.5<br>(Max.Wk.Avg.) | 1.25<br>(Mo.Avg.) | mg/L    |         | Daily; 24 hours       | 24-hr FPC   |
| Solids, Total Suspended                     | Sample Measurement |                     |  |       |                          |                      |                   |         |         |                       |             |
| PARM Code 00530 B<br>Mon. Site No. EFB-01   | Permit Requirement |                     |  |       |                          |                      | 5.0<br>(Max.)     | mg/L    |         | Daily; 24 hours       | Grab        |
| pH  | Sample Measurement |                     |  |       |                          |                      |                   |         |         |                       |             |
| PARM Code 00400 A<br>Mon. Site No. EFA-01   | Permit Requirement |                     |  |       | 6.0<br>(Min.)            |                      | 8.5<br>(Max.)     | s.u.    |         | Continuous            | Meter       |
| Coliform, Fecal, % less than detection      | Sample Measurement |                     |  |       |                          |                      |                   |         |         |                       |             |
| PARM Code 51005 A<br>Mon. Site No. EFA-01   | Permit Requirement |                     |  |       | 75<br>(Mo.Min.)          |                      |                   | percent |         | Monthly               | Calculated  |
| Coliform, Fecal                             | Sample Measurement |                     |  |       |                          |                      |                   |         |         |                       |             |
| PARM Code 74055 A<br>Mon. Site No. EFA-01   | Permit Requirement |                     |  |       |                          |                      | 25<br>(Max.)      | #/100mL |         | Daily; 24 hours       | Grab        |
| Peracetic Acid                              | Sample Measurement |                     |  |       |                          |                      |                   |         |         |                       |             |
| PARM Code 51674 B<br>Mon. Site No. EFB-02   | Permit Requirement |                     |  |       | 3.0<br>(Min.)            |                      |                   | mg/L    |         | Continuous            | Meter       |
| Chlorine, Total Residual (For Disinfection) | Sample Measurement |                     |  |       |                          |                      |                   |         |         |                       |             |
| PARM Code 50060 1<br>Mon. Site No. EFD-01   | Permit Requirement |                     |  |       |                          |                      | 0.01<br>(Max.)    | mg/L    |         | Daily; 24 hours       | Grab        |

## DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: City of Largo AWWTP

MONITORING GROUP  
NUMBER:  
MONITORING PERIOD

D-001

PERMIT NUMBER: FL0026603-013-DW1P/NR

From: \_\_\_\_\_ To: \_\_\_\_\_

| Parameter  |                    | Quantity or Loading |                      | Units   | Quality or Concentration |                   |  | Units   | No. Ex. | Frequency of Analysis | Sample Type               |
|--|--------------------|---------------------|----------------------|---------|--------------------------|-------------------|--|---------|---------|-----------------------|---------------------------|
| Oxygen, Dissolved (DO)                                   | Sample Measurement |                     |                      |         |                          |                   |  |         |         |                       |                           |
| PARM Code 00300 1<br>Mon. Site No. EFD-01                | Permit Requirement |                     |                      |         | 5.0<br>(Min.)            |                   |  | mg/L    |         | Daily; 24 hours       | Grab                      |
| Dichlorobromomethane                                     | Sample Measurement |                     |                      |         |                          |                   |  |         |         |                       |                           |
| PARM Code 32101 Y<br>Mon. Site No. EFD-01                | Permit Requirement |                     |                      |         |                          | 22.0<br>(An.Avg.) |  | ug/L    |         | Monthly               | Grab                      |
| Dichlorobromomethane                                     | Sample Measurement |                     |                      |         |                          |                   |  |         |         |                       |                           |
| PARM Code 32101 1<br>Mon. Site No. EFD-01                | Permit Requirement |                     |                      |         |                          | Report<br>(Max.)  |  | ug/L    |         | Monthly               | Grab                      |
| Nitrogen, Total  | Sample Measurement |                     |                      |         |                          |                   |  |         |         |                       |                           |
| PARM Code 00600 1<br>Mon. Site No. EFD-01                | Permit Requirement |                     | Report<br>(Mo.Total) | ton/mth |                          |                   |  |         |         | Monthly               | Calculated                |
| Nitrogen, Total  | Sample Measurement |                     |                      |         |                          |                   |  |         |         |                       |                           |
| PARM Code 00600 P<br>Mon. Site No. EFD-01                | Permit Requirement | 19.0<br>(5Yr.Avg.)  | 28.5<br>(An.Total)   | ton/yr  |                          |                   |  |         |         | Monthly               | Calculated                |
| 7-DAY CHRONIC STATRE<br>Ceriodaphnia dubia (Routine)     | Sample Measurement |                     |                      |         |                          |                   |  |         |         |                       |                           |
| PARM Code TRP3B P<br>Mon. Site No. EFD-01                | Permit Requirement |                     |                      |         | 100<br>(Min.)            |                   |  | percent |         | Quarterly             | 24-hr FPC                 |
| 7-DAY CHRONIC STATRE<br>Ceriodaphnia dubia (Additional)  | Sample Measurement |                     |                      |         |                          |                   |  |         |         |                       |                           |
| PARM Code TRP3B Q<br>Mon. Site No. EFD-01                | Permit Requirement |                     |                      |         | 100<br>(Min.)            |                   |  | percent |         | As needed             | As required by the permit |
| 7-DAY CHRONIC STATRE<br>Ceriodaphnia dubia (Additional)  | Sample Measurement |                     |                      |         |                          |                   |  |         |         |                       |                           |
| PARM Code TRP3B R<br>Mon. Site No. EFD-01                | Permit Requirement |                     |                      |         | 100<br>(Min.)            |                   |  | percent |         | As needed             | As required by the permit |
| 7-DAY CHRONIC STATRE<br>Pimephales promelas (Routine)    | Sample Measurement |                     |                      |         |                          |                   |  |         |         |                       |                           |
| PARM Code TRP6C P<br>Mon. Site No. EFD-01                | Permit Requirement |                     |                      |         | 100<br>(Min.)            |                   |  | percent |         | Quarterly             | 24-hr FPC                 |
| 7-DAY CHRONIC STATRE<br>Pimephales promelas (Additional) | Sample Measurement |                     |                      |         |                          |                   |  |         |         |                       |                           |
| PARM Code TRP6C Q<br>Mon. Site No. EFD-01                | Permit Requirement |                     |                      |         | 100<br>(Min.)            |                   |  | percent |         | As needed             | As required by the permit |

## DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Largo City of

MONITORING GROUP

D-001

PERMIT NUMBER: FL0026603-013-DW1P

NUMBER:

MONITORING PERIOD

From: \_\_\_\_\_

To: \_\_\_\_\_

| Parameter  |                    | Quantity or Loading |                     | Units | Quality or Concentration |                     |  | Units   | No. Ex. | Frequency of Analysis | Sample Type               |
|--|--------------------|---------------------|---------------------|-------|--------------------------|---------------------|--|---------|---------|-----------------------|---------------------------|
| 7-DAY CHRONIC STATRE<br>Pimephales promelas (Additional) | Sample Measurement |                     |                     |       |                          |                     |  |         |         |                       |                           |
| PARM Code TRP6C R<br>Mon. Site No. EFD-01                | Permit Requirement |                     |                     |       | 100<br>(Min.)            |                     |  | percent |         | As needed             | As required by the permit |
| Flow   | Sample Measurement |                     |                     |       |                          |                     |  |         |         |                       |                           |
| PARM Code 50050 P<br>Mon. Site No. FLW-03                | Permit Requirement |                     | 18.0<br>(An.Avg.)   | MGD   |                          |                     |  |         |         | Monthly               | Calculated                |
| Flow   | Sample Measurement |                     |                     |       |                          |                     |  |         |         |                       |                           |
| PARM Code 50050 Q<br>Mon. Site No. FLW-03                | Permit Requirement |                     | Report<br>(Mo.Avg.) | MGD   |                          |                     |  |         |         | Continuous            | Flow Totalizer            |
| Percent Capacity,<br>(TMADF/Permitted Capacity) x 100    | Sample Measurement |                     |                     |       |                          |                     |  |         |         |                       |                           |
| PARM Code 00180 1<br>Mon. Site No. FLW-01                | Permit Requirement |                     |                     |       |                          | Report<br>(Mo.Avg.) |  | percent |         | Monthly               | Calculated                |
| BOD, Carbonaceous 5 day, 20C<br>(Influent)               | Sample Measurement |                     |                     |       |                          |                     |  |         |         |                       |                           |
| PARM Code 80082 G<br>Mon. Site No. INF-01                | Permit Requirement |                     |                     |       |                          | Report<br>(Mo.Avg.) |  | mg/L    |         | Weekly                | 24-hr FPC                 |
| Solids, Total Suspended (Influent)                       | Sample Measurement |                     |                     |       |                          |                     |  |         |         |                       |                           |
| PARM Code 00530 G<br>Mon. Site No. INF-01                | Permit Requirement |                     |                     |       |                          | Report<br>(Mo.Avg.) |  | mg/L    |         | Weekly                | 24-hr FPC                 |
|  | Sample Measurement |                     |                     |       |                          |                     |  |         |         |                       |                           |
|  | Permit Requirement |                     |                     |       |                          |                     |  |         |         |                       |                           |
|  | Sample Measurement |                     |                     |       |                          |                     |  |         |         |                       |                           |
|  | Permit Requirement |                     |                     |       |                          |                     |  |         |         |                       |                           |
|  | Sample Measurement |                     |                     |       |                          |                     |  |         |         |                       |                           |
|  | Permit Requirement |                     |                     |       |                          |                     |  |         |         |                       |                           |
|  | Sample Measurement |                     |                     |       |                          |                     |  |         |         |                       |                           |
|  | Permit Requirement |                     |                     |       |                          |                     |  |         |         |                       |                           |

# DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed submit this report to: <http://www.fldepportal.com/go/>

PERMITTEE NAME: City of Largo.  
MAILING ADDRESS: P.O. Box 296  
Largo, Florida 33779-

FACILITY: City of Largo AWWTP  
LOCATION: 5100 150th Ave. N.  
Clearwater, FL 33760-3502

COUNTY: Pinellas  
OFFICE: Southwest District

PERMIT NUMBER: FL0026603-013-DW1P/NR

LIMIT: Final  
CLASS SIZE: MA  
MONITORING GROUP NUMBER: D-001  
MONITORING GROUP DESCRIPTION: OutfallD001 OUTFALL TO FEATHER SOUND STORMWATER SYSTEM  
THENCE TO TAMPA BAY

REPORT FREQUENCY: Quarterly  
PROGRAM: Domestic

RE-SUBMITTED DMR: ☐  
NO DISCHARGE FROM SITE: ☐  
MONITORING PERIOD From: \_\_\_\_\_ To: \_\_\_\_\_

| Parameter                                 |                    | Quantity or Loading |  | Units | Quality or Concentration |            |  | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|--------------------|---------------------|--|-------|--------------------------|------------|--|-------|---------|-----------------------|-------------|
| Cyanide, Total (as CN)                    | Sample Measurement |                     |  |       |                          |            |  |       |         |                       |             |
| PARM Code 00720 1<br>Mon. Site No. EFD-01 | Permit Requirement |                     |  |       |                          | 5.2 (Max.) |  | ug/L  |         | Quarterly             | Grab        |
|   |                    |                     |  |       |                          |            |  |       |         |                       |             |
|   |                    |                     |  |       |                          |            |  |       |         |                       |             |
|   |                    |                     |  |       |                          |            |  |       |         |                       |             |
|   |                    |                     |  |       |                          |            |  |       |         |                       |             |
|   |                    |                     |  |       |                          |            |  |       |         |                       |             |
|   |                    |                     |  |       |                          |            |  |       |         |                       |             |
|   |                    |                     |  |       |                          |            |  |       |         |                       |             |
|   |                    |                     |  |       |                          |            |  |       |         |                       |             |
|   |                    |                     |  |       |                          |            |  |       |         |                       |             |
|   |                    |                     |  |       |                          |            |  |       |         |                       |             |
|   |                    |                     |  |       |                          |            |  |       |         |                       |             |

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

| NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | TELEPHONE NO | DATE (mm/dd/yyyy) |
|---|--|--------------|-------------------|
|   |  |              |                   |

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

**When Completed submit this report to:** <http://www.fldepportal.com/go/>

PERMITTEE NAME: City of Largo.  
MAILING ADDRESS: P.O. Box 296  
Largo, Florida 33779-

FACILITY: City of Largo AWWTP  
LOCATION: 5100 150th Ave. N.  
Clearwater, FL 33760-3502

COUNTY: Pinellas  
OFFICE: Southwest District

PERMIT NUMBER: FL0026603-013-DW1P/NR

LIMIT: Final  
CLASS SIZE: MA  
MONITORING GROUP NUMBER: R-001  
MONITORING GROUP DESCRIPTION: Public Access Reuse System

REPORT FREQUENCY: Monthly  
PROGRAM: Domestic

RE-SUBMITTED DMR: ☐  
NO DISCHARGE FROM SITE: ☐  
MONITORING PERIOD From: \_\_\_\_\_ To: \_\_\_\_\_

| Parameter                                 |                    | Quantity or Loading |                     | Units | Quality or Concentration |                       |                   | Units | No. Ex. | Frequency of Analysis | Sample Type    |
|---|--------------------|---------------------|---------------------|-------|--------------------------|-----------------------|-------------------|-------|---------|-----------------------|----------------|
| Flow                                      | Sample Measurement |                     |                     |       |                          |                       |                   |       |         |                       |                |
| PARM Code 50050 Y<br>Mon. Site No. FLW-01 | Permit Requirement |                     | 12.0<br>(An.Avg.)   | MGD   |                          |                       |                   |       |         | Monthly               | Calculated     |
| Flow                                      | Sample Measurement |                     |                     |       |                          |                       |                   |       |         |                       |                |
| PARM Code 50050 I<br>Mon. Site No. FLW-01 | Permit Requirement |                     | Report<br>(Mo.Avg.) | MGD   |                          |                       |                   |       |         | Continuous            | Flow Totalizer |
| BOD, Carbonaceous 5 day, 20C              | Sample Measurement |                     |                     |       |                          |                       |                   |       |         |                       |                |
| PARM Code 80082 Y<br>Mon. Site No. EFA-01 | Permit Requirement |                     |                     |       | 20.0<br>(An.Avg.)        |                       |                   | mg/L  |         | Monthly               | 24-hr FPC      |
| BOD, Carbonaceous 5 day, 20C              | Sample Measurement |                     |                     |       |                          |                       |                   |       |         |                       |                |
| PARM Code 80082 A<br>Mon. Site No. EFA-01 | Permit Requirement |                     |                     |       | 60.0<br>(Max.)           | 45.0<br>(Max.Wk.Avg.) | 30.0<br>(Mo.Avg.) | mg/L  |         | Daily; 24 hours       | 24-hr FPC      |
| Solids, Total Suspended                   | Sample Measurement |                     |                     |       |                          |                       |                   |       |         |                       |                |
| PARM Code 00530 B<br>Mon. Site No. EFB-01 | Permit Requirement |                     |                     |       |                          |                       | 5.0<br>(Max.)     | mg/L  |         | Daily; 24 hours       | Grab           |
| pH  | Sample Measurement |                     |                     |       |                          |                       |                   |       |         |                       |                |
| PARM Code 00400 A<br>Mon. Site No. EFA-01 | Permit Requirement |                     |                     |       | 6.0<br>(Min.)            |                       | 8.5<br>(Max.)     | s.u.  |         | Continuous            | Meter          |

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

| NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | TELEPHONE NO | DATE (mm/dd/yyyy) |
|---|--|--------------|-------------------|
|   |  |              |                   |

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

## DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Largo City of

MONITORING GROUP  
NUMBER:  
MONITORING PERIOD

R-001

PERMIT NUMBER: FL0026603-013-DW1P/NR

From: \_\_\_\_\_ To: \_\_\_\_\_

| Parameter                                   |                    | Quantity or Loading |  | Units | Quality or Concentration |  |                  | Units   | No. Ex. | Frequency of Analysis | Sample Type |
|---|--------------------|---------------------|--|-------|--------------------------|--|------------------|---------|---------|-----------------------|-------------|
| Coliform, Fecal, % less than detection      | Sample Measurement |                     |  |       |                          |  |                  |         |         |                       |             |
| PARM Code 51005 A<br>Mon. Site No. EFA-01   | Permit Requirement |                     |  |       | 75<br>(Min.Mo.Total)     |  |                  | percent |         | Daily; 24 hours       | Calculated  |
| Coliform, Fecal                             | Sample Measurement |                     |  |       |                          |  |                  |         |         |                       |             |
| PARM Code 74055 A<br>Mon. Site No. EFA-01   | Permit Requirement |                     |  |       |                          |  | 25<br>(Max.)     | #/100mL |         | Daily; 24 hours       | Grab        |
| Chlorine, Total Residual (For Disinfection) | Sample Measurement |                     |  |       |                          |  |                  |         |         |                       |             |
| PARM Code 50060 A<br>Mon. Site No. EFA-01   | Permit Requirement |                     |  |       | 1.0<br>(Min.)            |  |                  | mg/L    |         | Continuous            | Meter       |
| Turbidity                                   | Sample Measurement |                     |  |       |                          |  |                  |         |         |                       |             |
| PARM Code 00070 B<br>Mon. Site No. EFB-01   | Permit Requirement |                     |  |       |                          |  | Report<br>(Max.) | NTU     |         | Continuous            | Meter       |
|   |                    |                     |  |       |                          |  |                  |         |         |                       |             |
|   |                    |                     |  |       |                          |  |                  |         |         |                       |             |
|   |                    |                     |  |       |                          |  |                  |         |         |                       |             |
|   |                    |                     |  |       |                          |  |                  |         |         |                       |             |
|   |                    |                     |  |       |                          |  |                  |         |         |                       |             |
|   |                    |                     |  |       |                          |  |                  |         |         |                       |             |
|   |                    |                     |  |       |                          |  |                  |         |         |                       |             |
|   |                    |                     |  |       |                          |  |                  |         |         |                       |             |
|   |                    |                     |  |       |                          |  |                  |         |         |                       |             |
|   |                    |                     |  |       |                          |  |                  |         |         |                       |             |
|   |                    |                     |  |       |                          |  |                  |         |         |                       |             |
|   |                    |                     |  |       |                          |  |                  |         |         |                       |             |
|   |                    |                     |  |       |                          |  |                  |         |         |                       |             |

**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

**When Completed submit this report to:** <http://www.fldepportal.com/go/>

PERMITTEE NAME: City of Largo.  
MAILING ADDRESS: P.O. Box 296  
Largo, Florida 33779-

FACILITY: City of Largo AWWTP  
LOCATION: 5100 150th Ave. N.  
Clearwater, FL 33760-3502

COUNTY: Pinellas  
OFFICE: Southwest District

PERMIT NUMBER: FL0026603-013-DW1P/NR

LIMIT: Final  
CLASS SIZE: MA  
MONITORING GROUP NUMBER: RMP-AA  
MONITORING GROUP DESCRIPTION: Class AA Biosolids

REPORT FREQUENCY: Monthly  
PROGRAM: Domestic

RE-SUBMITTED DMR: ☐  
NO DISCHARGE FROM SITE: ☐  
MONITORING PERIOD From: \_\_\_\_\_ To: \_\_\_\_\_

| Parameter                                |                    | Quantity or Loading |                  | Units   | Quality or Concentration |               |       | Units | No. Ex. | Frequency of Analysis | Sample Type |
|--|--------------------|---------------------|------------------|---------|--------------------------|---------------|-------|-------|---------|-----------------------|-------------|
| Nitrogen, Sludge, Tot, Dry Wt (as N)     | Sample Measurement |                     |                  |         |                          |               |       |       |         |                       |             |
| PARM Code 78470 + Mon. Site No. RMP-AA   | Permit Requirement |                     | Report (Mo.Avg.) | percent |                          |               |       |       |         | Monthly               | Composite   |
| Phosphorus, Sludge, Tot, Dry Wt (as P)   | Sample Measurement |                     |                  |         |                          |               |       |       |         |                       |             |
| PARM Code 78478 + Mon. Site No. RMP-AA   | Permit Requirement |                     | Report (Mo.Avg.) | percent |                          |               |       |       |         | Monthly               | Composite   |
| Potassium, Sludge, Tot, Dry Wt (as K)    | Sample Measurement |                     |                  |         |                          |               |       |       |         |                       |             |
| PARM Code 78472 + Mon. Site No. RMP-AA   | Permit Requirement |                     | Report (Mo.Avg.) | percent |                          |               |       |       |         | Monthly               | Composite   |
| Arsenic Total, Dry Weight, Sludge        | Sample Measurement |                     |                  |         |                          |               |       |       |         |                       |             |
| PARM Code 49565 + Mon. Site No. RMP-AA   | Permit Requirement |                     |                  |         | 41.0 (Mo.Avg.)           | 75.0 (Max.)   | mg/kg |       |         | Monthly               | Composite   |
| Cadmium, Sludge, Tot, Dry Weight (as Cd) | Sample Measurement |                     |                  |         |                          |               |       |       |         |                       |             |
| PARM Code 78476 + Mon. Site No. RMP-AA   | Permit Requirement |                     |                  |         | 39.0 (Mo.Avg.)           | 85.0 (Max.)   | mg/kg |       |         | Monthly               | Composite   |
| Copper, Sludge, Tot, Dry Wt. (as Cu)     | Sample Measurement |                     |                  |         |                          |               |       |       |         |                       |             |
| PARM Code 78475 + Mon. Site No. RMP-AA   | Permit Requirement |                     |                  |         | 1500.0 (Mo.Avg.)         | 4300.0 (Max.) | mg/kg |       |         | Monthly               | Composite   |

**\*EITHER THE FECAL COLIFORM LIMIT OR SALMONELLA SP. LIMIT MUST BE MET.**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

| NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | TELEPHONE NO | DATE (mm/dd/yyyy) |
|---|--|--------------|-------------------|
|   |  |              |                   |

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: City of Largo AWWTF

MONITORING GROUP

RMP-AA

PERMIT NUMBER: FL0026603-013-DW1P/NR

NUMBER:

MONITORING PERIOD

From: \_\_\_\_\_

To: \_\_\_\_\_

| Parameter                                 |                    | Quantity or Loading |                  | Units  | Quality or Concentration |                  |         | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|--------------------|---------------------|------------------|--------|--------------------------|------------------|---------|-------|---------|-----------------------|-------------|
| Lead, Dry Weight, Sludge                  | Sample Measurement |                     |                  |        |                          |                  |         |       |         |                       |             |
| PARM Code 78468 +<br>Mon. Site No. RMP-AA | Permit Requirement |                     |                  |        | 300.0<br>(Mo.Avg.)       | 840.0<br>(Max.)  | mg/kg   |       |         | Monthly               | Composite   |
| Mercury, Dry Weight, Sludge               | Sample Measurement |                     |                  |        |                          |                  |         |       |         |                       |             |
| PARM Code 78471 +<br>Mon. Site No. RMP-AA | Permit Requirement |                     |                  |        | 17.0<br>(Mo.Avg.)        | 57.0<br>(Max.)   | mg/kg   |       |         | Monthly               | Composite   |
| Molybdenum, Dry Weight, Sludge            | Sample Measurement |                     |                  |        |                          |                  |         |       |         |                       |             |
| PARM Code 78465 +<br>Mon. Site No. RMP-AA | Permit Requirement |                     |                  |        |                          | 75.0<br>(Max.)   | mg/kg   |       |         | Monthly               | Composite   |
| Nickel, Dry Weight, Sludge                | Sample Measurement |                     |                  |        |                          |                  |         |       |         |                       |             |
| PARM Code 78469 +<br>Mon. Site No. RMP-AA | Permit Requirement |                     |                  |        | 420.0<br>(Mo.Avg.)       | 420.0<br>(Max.)  | mg/kg   |       |         | Monthly               | Composite   |
| Selenium Sludge Solid                     | Sample Measurement |                     |                  |        |                          |                  |         |       |         |                       |             |
| PARM Code 61518 +<br>Mon. Site No. RMP-AA | Permit Requirement |                     |                  |        | 100.0<br>(Mo.Avg.)       | 100.0<br>(Max.)  | mg/kg   |       |         | Monthly               | Composite   |
| Zinc, Dry Weight, Sludge                  | Sample Measurement |                     |                  |        |                          |                  |         |       |         |                       |             |
| PARM Code 78467 +<br>Mon. Site No. RMP-AA | Permit Requirement |                     |                  |        | 2800.0<br>(Mo.Avg.)      | 7500.0<br>(Max.) | mg/kg   |       |         | Monthly               | Composite   |
| pH  | Sample Measurement |                     |                  |        |                          |                  |         |       |         |                       |             |
| PARM Code 00400 +<br>Mon. Site No. RMP-AA | Permit Requirement |                     |                  |        |                          | Report<br>(Max.) | s.u.    |       |         | Monthly               | Grab        |
| Solids, Total, Sludge, Percent            | Sample Measurement |                     |                  |        |                          |                  |         |       |         |                       |             |
| PARM Code 61553 +<br>Mon. Site No. RMP-AA | Permit Requirement |                     |                  |        | Report<br>(Mo.Avg.)      | Report<br>(Max.) | percent |       |         | Monthly               | Composite   |
| Coliform, Fecal                           | Sample Measurement |                     |                  |        |                          |                  |         |       |         |                       |             |
| PARM Code 74055 +<br>Mon. Site No. RMP-AA | Permit Requirement |                     | 1000.0<br>(Max.) | MPN/g  |                          |                  |         |       |         | Monthly               | Grab        |
| Salmonella Sludge                         | Sample Measurement |                     |                  |        |                          |                  |         |       |         |                       |             |
| PARM Code 71204 +<br>Mon. Site No. RMP-AA | Permit Requirement |                     | 3.0<br>(Max.)    | MPN/4g |                          |                  |         |       |         | Monthly               | Grab        |



**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

**When Completed submit this report to:** <http://www.fldepportal.com/go/>

PERMITTEE NAME: City of Largo.  
MAILING ADDRESS: P.O. Box 296  
Largo, Florida 33779-

FACILITY: City of Largo AWWTP  
LOCATION: 5100 150th Ave. N.  
Clearwater, FL 33760-3502

COUNTY: Pinellas  
OFFICE: Southwest District

PERMIT NUMBER: FL0026603-013-DW1P/NR

LIMIT: Final  
CLASS SIZE: MA  
MONITORING GROUP NUMBER: RMP-Q  
MONITORING GROUP DESCRIPTION: Biosolids Quantity

REPORT FREQUENCY: Monthly  
PROGRAM: Domestic

RE-SUBMITTED DMR: ☐  
NO DISCHARGE FROM SITE: ☐  
MONITORING PERIOD From: \_\_\_\_\_ To: \_\_\_\_\_

| Parameter  |                    | Quantity or Loading |                   | Units    | Quality or Concentration |  |  | Units | No. Ex. | Frequency of Analysis | Sample Type |
|--|--------------------|---------------------|-------------------|----------|--------------------------|--|--|-------|---------|-----------------------|-------------|
| Biosolids Quantity (Distributed & Marketed in FL)      | Sample Measurement |                     |                   |          |                          |  |  |       |         |                       |             |
| PARM Code B0004 + Mon. Site No. RMP-01                 | Permit Requirement |                     | Report (Mo.Total) | dry tons |                          |  |  |       |         | Monthly               | Calculated  |
| Biosolids Quantity (Distributed & Marketed outside FL) | Sample Measurement |                     |                   |          |                          |  |  |       |         |                       |             |
| PARM Code B0005 + Mon. Site No. RMP-02                 | Permit Requirement |                     | Report (Mo.Total) | dry tons |                          |  |  |       |         | Monthly               | Calculated  |
| Biosolids Quantity (Transferred)                       | Sample Measurement |                     |                   |          |                          |  |  |       |         |                       |             |
| PARM Code B0007 + Mon. Site No. RMP-03                 | Permit Requirement |                     | Report (Mo.Total) | dry tons |                          |  |  |       |         | Monthly               | Calculated  |
| Biosolids Quantity (Landfilled)                        | Sample Measurement |                     |                   |          |                          |  |  |       |         |                       |             |
| PARM Code B0008 + Mon. Site No. RMP-04                 | Permit Requirement |                     | Report (Mo.Total) | dry tons |                          |  |  |       |         | Monthly               | Calculated  |
|  |                    |                     |                   |          |                          |  |  |       |         |                       |             |
|  |                    |                     |                   |          |                          |  |  |       |         |                       |             |
|  |                    |                     |                   |          |                          |  |  |       |         |                       |             |

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

| NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | TELEPHONE NO | DATE (mm/dd/yyyy) |
|---|--|--------------|-------------------|
|   |  |              |                   |

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

**When Completed submit this report to:** <http://www.fldeportal.com/go/>

PERMITTEE NAME: City of Largo.  
MAILING ADDRESS: P.O. Box 296  
Largo, Florida 33779-

FACILITY: City of Largo AWWTP  
LOCATION: 5100 150th Ave. N.  
Clearwater, FL 33760-3502

COUNTY: Pinellas  
OFFICE: Southwest District

PERMIT NUMBER: FL0026603-013-DW1P/NR

LIMIT: Final  
CLASS SIZE: MA  
MONITORING GROUP NUMBER: PRT-I  
MONITORING GROUP DESCRIPTION: Influent Pretreatment

REPORT FREQUENCY: Annually  
PROGRAM: Domestic

RE-SUBMITTED DMR: ☐  
NO DISCHARGE FROM SITE: ☐  
MONITORING PERIOD From: \_\_\_\_\_ To: \_\_\_\_\_

| Parameter                                |                    | Quantity or Loading |  | Units | Quality or Concentration |                  |               | Units | No. Ex. | Frequency of Analysis | Sample Type |
|--|--------------------|---------------------|--|-------|--------------------------|------------------|---------------|-------|---------|-----------------------|-------------|
| pH                                       | Sample Measurement |                     |  |       |                          |                  |               |       |         |                       |             |
| PARM Code 00400 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (Min.)            |                  | Report (Max.) | s.u.  |         | Annually              | Grab        |
| Oil and Grease, hexane extr method       | Sample Measurement |                     |  |       |                          |                  |               |       |         |                       |             |
| PARM Code 00552 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       |                          | Report (An.Avg.) | Report (Max.) | mg/L  |         | Annually              | Grab        |
| Benzene                                  | Sample Measurement |                     |  |       |                          |                  |               |       |         |                       |             |
| PARM Code 34030 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       |                          | Report (An.Avg.) | Report (Max.) | ug/L  |         | Annually              | Grab        |
| Bromoform                                | Sample Measurement |                     |  |       |                          |                  |               |       |         |                       |             |
| PARM Code 32104 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       |                          | Report (An.Avg.) | Report (Max.) | ug/L  |         | Annually              | Grab        |
| Carbon tetrachloride                     | Sample Measurement |                     |  |       |                          |                  |               |       |         |                       |             |
| PARM Code 32102 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       |                          | Report (An.Avg.) | Report (Max.) | ug/L  |         | Annually              | Grab        |
| Chlorobenzene                            | Sample Measurement |                     |  |       |                          |                  |               |       |         |                       |             |
| PARM Code 34301 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       |                          | Report (An.Avg.) | Report (Max.) | ug/L  |         | Annually              | Grab        |

\*FOR THOSE PARAMETERS THAT ARE SAMPLED ANNUALLY, THE MAXIMUM AND AVERAGE CONCENTRATIONS ARE EQUIVALENT AND SHALL BE REPORTED AS SUCH ON THE DMR.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

| NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | TELEPHONE NO | DATE (mm/dd/yyyy) |
|---|--|--------------|-------------------|
|   |  |              |                   |

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

## DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: City of Largo AWWTF

MONITORING GROUP

PRT-I

PERMIT NUMBER: FL0026603-013-DW1P/NR

NUMBER:

MONITORING PERIOD

From: \_\_\_\_\_

To: \_\_\_\_\_

| Parameter                                |                    | Quantity or Loading |  | Units | Quality or Concentration |               |      | Units | No. Ex. | Frequency of Analysis | Sample Type |
|--|--------------------|---------------------|--|-------|--------------------------|---------------|------|-------|---------|-----------------------|-------------|
| Chlorodibromomethane                     | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34306 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | Grab        |
| Chloroethane                             | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 85811 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | Grab        |
| 2-chloroethyl vinyl ether (mixed)        | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34576 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | Grab        |
| Chloroform                               | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 32106 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | Grab        |
| Dichlorobromomethane                     | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 32101 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | Grab        |
| 1,2-dichlorobenzene                      | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34536 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | Grab        |
| 1,3-dichlorobenzene                      | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34566 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | Grab        |
| 1,4-dichlorobenzene                      | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34571 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | Grab        |
| 1,1-dichloroethane                       | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34496 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | Grab        |
| 1,2-dichloroethane                       | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 32103 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | Grab        |

## DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: City of Largo AWWTF

MONITORING GROUP

PRT-I

PERMIT NUMBER: FL0026603-013-DW1P/NR

NUMBER:

MONITORING PERIOD

From: \_\_\_\_\_

To: \_\_\_\_\_

| Parameter                                |                    | Quantity or Loading |  | Units | Quality or Concentration |               |      | Units | No. Ex. | Frequency of Analysis | Sample Type |
|--|--------------------|---------------------|--|-------|--------------------------|---------------|------|-------|---------|-----------------------|-------------|
| 1,1-dichloroethylene                     | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34501 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | Grab        |
| 1,2-dichloropropane                      | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34541 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | Grab        |
| 1,3-dichloropropene                      | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 77163 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | Grab        |
| Ethylbenzene                             | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34371 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | Grab        |
| Methyl bromide                           | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34413 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | Grab        |
| Methyl chloride                          | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34418 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | Grab        |
| Methylene chloride                       | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34423 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | Grab        |
| 1,1,2,2-tetrachloroethane                | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34516 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | Grab        |
| Tetrachloroethylene                      | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34475 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | Grab        |
| Toluene                                  | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34010 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | Grab        |

## DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: City of Largo AWWTF

MONITORING GROUP

PRT-I

PERMIT NUMBER: FL0026603-013-DW1P/NR

NUMBER:

MONITORING PERIOD

From: \_\_\_\_\_

To: \_\_\_\_\_

| Parameter                                |                    | Quantity or Loading |  | Units | Quality or Concentration |               |      | Units | No. Ex. | Frequency of Analysis | Sample Type |
|--|--------------------|---------------------|--|-------|--------------------------|---------------|------|-------|---------|-----------------------|-------------|
| 1,2-trans-dichloroethylene               | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34546 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | Grab        |
| 1,1,1-trichloroethane                    | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34506 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | Grab        |
| 1,1,2-trichloroethane                    | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34511 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | Grab        |
| Trichloroethylene                        | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 39180 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | Grab        |
| Vinyl chloride                           | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 39175 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | Grab        |
| 2-chlorophenol                           | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34586 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| 2,4-dichlorophenol                       | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34601 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| 2,4-dimethylphenol                       | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34606 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| 4,6-dinitro-o-cresol                     | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34657 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| 2,4-dinitrophenol                        | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34616 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |

## DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: City of Largo AWWTF

MONITORING GROUP

PRT-I

PERMIT NUMBER: FL0026603-013-DW1P/NR

NUMBER:

MONITORING PERIOD

From: \_\_\_\_\_

To: \_\_\_\_\_

| Parameter                                |                    | Quantity or Loading |  | Units | Quality or Concentration |               |      | Units | No. Ex. | Frequency of Analysis | Sample Type |
|--|--------------------|---------------------|--|-------|--------------------------|---------------|------|-------|---------|-----------------------|-------------|
| 2-nitrophenol                            | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34591 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| 4-nitrophenol                            | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34646 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| p-chloro-m-cresol                        | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 82627 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Pentachlorophenol                        | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 39032 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Phenol, Single Compound                  | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34694 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| 2,4,6-trichlorophenol                    | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34621 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Acenaphthene                             | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34205 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Acenaphthylene                           | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34200 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Anthracene                               | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34220 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Benzidine                                | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 39120 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |

## DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: City of Largo AWWTF

MONITORING GROUP

PRT-I

PERMIT NUMBER: FL0026603-013-DW1P/NR

NUMBER:

MONITORING PERIOD

From: \_\_\_\_\_

To: \_\_\_\_\_

| Parameter                                |                    | Quantity or Loading |  | Units | Quality or Concentration |               |      | Units | No. Ex. | Frequency of Analysis | Sample Type |
|--|--------------------|---------------------|--|-------|--------------------------|---------------|------|-------|---------|-----------------------|-------------|
| Benzo(a)anthracene                       | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34526 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Benzo(a)pyrene                           | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34247 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Benzo(b)fluoranthene (3,4-benzo)         | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 79531 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Benzo(ghi)perylene                       | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34521 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Benzo(k)fluoranthene                     | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34242 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Bis (2-chloroethoxy) methane             | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34278 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Bis (2-chloroethyl) ether                | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34273 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Bis (2-chloroisopropyl) ether            | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34283 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Bis (2-ethylhexyl) phthalate             | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 39100 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| 4-bromophenyl phenyl ether               | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34636 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |

## DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: City of Largo AWWTF

MONITORING GROUP

PRT-I

PERMIT NUMBER: FL0026603-013-DW1P/NR

NUMBER:

MONITORING PERIOD

From: \_\_\_\_\_

To: \_\_\_\_\_

| Parameter                                |                    | Quantity or Loading |  | Units | Quality or Concentration |               |      | Units | No. Ex. | Frequency of Analysis | Sample Type |
|--|--------------------|---------------------|--|-------|--------------------------|---------------|------|-------|---------|-----------------------|-------------|
| Butyl benzyl phthalate                   | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34292 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| 2-chloronaphthalene                      | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34581 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| 4-chlorophenyl phenyl ether              | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34641 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Chrysene                                 | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34320 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Dibenzo (a,h) anthracene                 | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34556 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| 3,3'-dichlorobenzidine                   | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34631 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Diethyl phthalate                        | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34336 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Dimethyl phthalate                       | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34341 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Di-n-butyl phthalate                     | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 39110 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| 2,4-dinitrotoluene                       | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34611 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |



## DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: City of Largo AWWTF

MONITORING GROUP

PRT-I

PERMIT NUMBER: FL0026603-013-DW1P/NR

NUMBER:

MONITORING PERIOD

From: \_\_\_\_\_

To: \_\_\_\_\_

| Parameter                                |                    | Quantity or Loading |  | Units | Quality or Concentration |               |      | Units | No. Ex. | Frequency of Analysis | Sample Type |
|--|--------------------|---------------------|--|-------|--------------------------|---------------|------|-------|---------|-----------------------|-------------|
| 2,6-dinitrotoluene                       | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34626 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Di-n-octyl phthalate                     | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34596 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| 1,2-diphenylhydrazine                    | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34346 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Fluoranthene                             | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34376 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Fluorene                                 | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34381 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Hexachlorobenzene                        | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 39700 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Hexachlorobutadiene                      | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 39702 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Hexachlorocyclopentadiene                | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34386 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Hexachloroethane                         | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34396 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Indeno (1,2,3-Cd) pyrene                 | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34403 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |

## DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: City of Largo AWWTF

MONITORING GROUP

PRT-I

PERMIT NUMBER: FL0026603-013-DW1P/NR

NUMBER:

MONITORING PERIOD

From: \_\_\_\_\_

To: \_\_\_\_\_

| Parameter                                |                    | Quantity or Loading |  | Units | Quality or Concentration |               |      | Units | No. Ex. | Frequency of Analysis | Sample Type |
|--|--------------------|---------------------|--|-------|--------------------------|---------------|------|-------|---------|-----------------------|-------------|
| Isophorone                               | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34408 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Naphthalene                              | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34696 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Nitrobenzene                             | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34447 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| N-nitrosodimethylamine                   | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34438 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| N-nitrosodi-n-propylamine                | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34428 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| N-nitrosodiphenylamine                   | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34433 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Phenanthrene                             | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34461 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Pyrene                                   | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34469 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| 1,2,4-trichlorobenzene                   | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34551 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Aldrin                                   | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 39330 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |

## DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: City of Largo AWWTF

MONITORING GROUP

PRT-I

PERMIT NUMBER: FL0026603-013-DW1P/NR

NUMBER:

MONITORING PERIOD

From: \_\_\_\_\_

To: \_\_\_\_\_

| Parameter                                |                    | Quantity or Loading |  | Units | Quality or Concentration |               |      | Units | No. Ex. | Frequency of Analysis | Sample Type |
|--|--------------------|---------------------|--|-------|--------------------------|---------------|------|-------|---------|-----------------------|-------------|
| Alpha-bhc                                | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 39336 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| B-bhc-beta                               | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 39338 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Gamma BHC (Lindane)                      | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 39782 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Delta benzene hexachloride               | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34259 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Chlordane (tech mix. and metabolites)    | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 39350 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| 4,4'-DDT (p,p'-DDT)                      | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 39300 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| 4,4'-DDE (p,p'-DDE)                      | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 39320 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| 4,4'-DDD (p,p'-DDD)                      | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 39310 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Dieldrin                                 | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 39380 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| A-endosulfan-alpha                       | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34361 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |

## DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: City of Largo AWWTF

MONITORING GROUP  
NUMBER:  
MONITORING PERIOD

PRT-I

PERMIT NUMBER: FL0026603-013-DW1P/NR

From: \_\_\_\_\_ To: \_\_\_\_\_

| Parameter                                |                    | Quantity or Loading |  | Units | Quality or Concentration |               |      | Units | No. Ex. | Frequency of Analysis | Sample Type |
|--|--------------------|---------------------|--|-------|--------------------------|---------------|------|-------|---------|-----------------------|-------------|
| B-endosulfan-beta                        | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34356 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Endosulfan sulfate                       | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34351 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Endrin                                   | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 39390 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Endrin aldehyde                          | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34366 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Heptachlor                               | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 39410 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Heptachlor epoxide                       | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 39420 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| PCB-1242                                 | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 39496 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| PCB-1254                                 | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 39504 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| PCB-1221                                 | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 39488 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| PCB-1232                                 | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 39492 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |

## DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: City of Largo AWWTF

MONITORING GROUP  
NUMBER:  
MONITORING PERIOD

PRT-I

PERMIT NUMBER: FL0026603-013-DW1P/NR

From: \_\_\_\_\_ To: \_\_\_\_\_

| Parameter                                |                    | Quantity or Loading |  | Units | Quality or Concentration |               |      | Units | No. Ex. | Frequency of Analysis | Sample Type |
|--|--------------------|---------------------|--|-------|--------------------------|---------------|------|-------|---------|-----------------------|-------------|
| PCB-1248                                 | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 39500 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| PCB-1260                                 | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 39508 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| PCB-1016                                 | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34671 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Toxaphene                                | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 39400 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Antimony, Total Recoverable              | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 01268 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Arsenic, Total Recoverable               | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 00978 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Beryllium, Total Recoverable             | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 00998 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Cadmium, Total Recoverable               | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 01113 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Chromium, Total Recoverable              | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 01118 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Copper, Total Recoverable                | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 01119 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |

## DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: City of Largo AWWTF

MONITORING GROUP  
NUMBER:  
MONITORING PERIOD

PRT-I

PERMIT NUMBER: FL0026603-013-DW1P/NR

From: \_\_\_\_\_ To: \_\_\_\_\_

| Parameter                                |                    | Quantity or Loading |  | Units | Quality or Concentration |               |      | Units | No. Ex. | Frequency of Analysis | Sample Type |
|--|--------------------|---------------------|--|-------|--------------------------|---------------|------|-------|---------|-----------------------|-------------|
| Lead, Total Recoverable                  | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 01114 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Mercury, Total Recoverable               | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 71901 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | Grab        |
| Nickel, Total Recoverable                | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 01074 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Selenium, Total Recoverable              | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 00981 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Silver, Total Recoverable                | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 01079 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Thallium, Total Recoverable              | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 00982 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Zinc, Total Recoverable                  | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 01094 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Cyanide, Total Recoverable               | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 78248 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | Grab        |
| Phenolic Compounds, Total Recoverable    | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 70029 G<br>Mon. Site No. PRT-I | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | Grab        |
|  |                    |                     |  |       |                          |               |      |       |         |                       |             |
|  |                    |                     |  |       |                          |               |      |       |         |                       |             |

**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

**When Completed submit this report to:** <http://www.fldeportal.com/go/>

PERMITTEE NAME: City of Largo.  
MAILING ADDRESS: P.O. Box 296  
Largo, Florida 33779-

FACILITY: City of Largo AWWTP  
LOCATION: 5100 150th Ave. N.  
Clearwater, FL 33760-3502

COUNTY: Pinellas  
OFFICE: Southwest District

PERMIT NUMBER: FL0026603-013-DW1P/NR

LIMIT: Final  
CLASS SIZE: MA  
MONITORING GROUP NUMBER: PRT-E  
MONITORING GROUP DESCRIPTION: Effluent Pretreatment

REPORT FREQUENCY: Annually  
PROGRAM: Domestic

RE-SUBMITTED DMR: ☐  
NO DISCHARGE FROM SITE: ☐  
MONITORING PERIOD From: \_\_\_\_\_ To: \_\_\_\_\_

| Parameter                                |                    | Quantity or Loading |  | Units | Quality or Concentration |                  |               | Units | No. Ex. | Frequency of Analysis | Sample Type |
|--|--------------------|---------------------|--|-------|--------------------------|------------------|---------------|-------|---------|-----------------------|-------------|
| pH                                       | Sample Measurement |                     |  |       |                          |                  |               |       |         |                       |             |
| PARM Code 00400 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (Min.)            |                  | Report (Max.) | s.u.  |         | Annually              | Grab        |
| Oil and Grease, hexane extr method       | Sample Measurement |                     |  |       |                          |                  |               |       |         |                       |             |
| PARM Code 00552 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       |                          | Report (An.Avg.) | Report (Max.) | mg/L  |         | Annually              | Grab        |
| Benzene                                  | Sample Measurement |                     |  |       |                          |                  |               |       |         |                       |             |
| PARM Code 34030 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       |                          | Report (An.Avg.) | Report (Max.) | ug/L  |         | Annually              | Grab        |
| Bromoform                                | Sample Measurement |                     |  |       |                          |                  |               |       |         |                       |             |
| PARM Code 32104 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       |                          | Report (An.Avg.) | Report (Max.) | ug/L  |         | Annually              | Grab        |
| Carbon tetrachloride                     | Sample Measurement |                     |  |       |                          |                  |               |       |         |                       |             |
| PARM Code 32102 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       |                          | Report (An.Avg.) | Report (Max.) | ug/L  |         | Annually              | Grab        |
| Chlorobenzene                            | Sample Measurement |                     |  |       |                          |                  |               |       |         |                       |             |
| PARM Code 34301 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       |                          | Report (An.Avg.) | Report (Max.) | ug/L  |         | Annually              | Grab        |

\*FOR THOSE PARAMETERS THAT ARE SAMPLED ANNUALLY, THE MAXIMUM AND AVERAGE CONCENTRATIONS ARE EQUIVALENT AND SHALL BE REPORTED AS SUCH ON THE DMR.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

| NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | TELEPHONE NO | DATE (mm/dd/yyyy) |
|---|--|--------------|-------------------|
|   |  |              |                   |

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

## DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: City of Largo AWWTF

MONITORING GROUP

PRT-E

PERMIT NUMBER: FL0026603-013-DW1P/NR

NUMBER:

MONITORING PERIOD

From: \_\_\_\_\_

To: \_\_\_\_\_

| Parameter                                |                    | Quantity or Loading |  | Units | Quality or Concentration |               |      | Units | No. Ex. | Frequency of Analysis | Sample Type |
|--|--------------------|---------------------|--|-------|--------------------------|---------------|------|-------|---------|-----------------------|-------------|
| Chlorodibromomethane                     | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34306 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | Grab        |
| Chloroethane                             | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 85811 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | Grab        |
| 2-chloroethyl vinyl ether (mixed)        | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34576 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | Grab        |
| Chloroform                               | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 32106 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | Grab        |
| Dichlorobromomethane                     | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 32101 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | Grab        |
| 1,2-dichlorobenzene                      | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34536 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | Grab        |
| 1,3-dichlorobenzene                      | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34566 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | Grab        |
| 1,4-dichlorobenzene                      | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34571 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | Grab        |
| 1,1-dichloroethane                       | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34496 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | Grab        |
| 1,2-dichloroethane                       | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 32103 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | Grab        |



## DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: City of Largo AWWTF

MONITORING GROUP  
NUMBER:  
MONITORING PERIOD

PRT-E

PERMIT NUMBER: FL0026603-013-DW1P/NR

From: \_\_\_\_\_ To: \_\_\_\_\_

| Parameter                                |                    | Quantity or Loading |  | Units | Quality or Concentration |               |      | Units | No. Ex. | Frequency of Analysis | Sample Type |
|--|--------------------|---------------------|--|-------|--------------------------|---------------|------|-------|---------|-----------------------|-------------|
| 1,1-dichloroethylene                     | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34501 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | Grab        |
| 1,2-dichloropropane                      | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34541 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | Grab        |
| 1,3-dichloropropene                      | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 77163 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | Grab        |
| Ethylbenzene                             | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34371 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | Grab        |
| Methyl bromide                           | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34413 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | Grab        |
| Methyl chloride                          | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34418 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | Grab        |
| Methylene chloride                       | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34423 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | Grab        |
| 1,1,2,2-tetrachloroethane                | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34516 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | Grab        |
| Tetrachloroethylene                      | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34475 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | Grab        |
| Toluene                                  | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34010 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | Grab        |

## DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: City of Largo AWWTF

MONITORING GROUP  
NUMBER:  
MONITORING PERIOD

PRT-E

PERMIT NUMBER: FL0026603-013-DW1P/NR

From: \_\_\_\_\_ To: \_\_\_\_\_

| Parameter                                |                    | Quantity or Loading |  | Units | Quality or Concentration |               |      | Units | No. Ex. | Frequency of Analysis | Sample Type |
|--|--------------------|---------------------|--|-------|--------------------------|---------------|------|-------|---------|-----------------------|-------------|
| 1,2-trans-dichloroethylene               | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34546 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | Grab        |
| 1,1,1-trichloroethane                    | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34506 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | Grab        |
| 1,1,2-trichloroethane                    | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34511 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | Grab        |
| Trichloroethylene                        | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 39180 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | Grab        |
| Vinyl chloride                           | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 39175 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | Grab        |
| 2-chlorophenol                           | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34586 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| 2,4-dichlorophenol                       | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34601 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| 2,4-dimethylphenol                       | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34606 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| 4,6-dinitro-o-cresol                     | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34657 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| 2,4-dinitrophenol                        | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34616 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |

## DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: City of Largo AWWTF

MONITORING GROUP

PRT-E

PERMIT NUMBER: FL0026603-013-DW1P/NR

NUMBER:

MONITORING PERIOD

From: \_\_\_\_\_

To: \_\_\_\_\_

| Parameter                                |                    | Quantity or Loading |  | Units | Quality or Concentration |               |      | Units | No. Ex. | Frequency of Analysis | Sample Type |
|--|--------------------|---------------------|--|-------|--------------------------|---------------|------|-------|---------|-----------------------|-------------|
| 2-nitrophenol                            | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34591 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| 4-nitrophenol                            | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34646 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| p-chloro-m-cresol                        | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 82627 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Pentachlorophenol                        | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 39032 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Phenol, Single Compound                  | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34694 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| 2,4,6-trichlorophenol                    | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34621 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Acenaphthene                             | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34205 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Acenaphthylene                           | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34200 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Anthracene                               | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34220 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Benzidine                                | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 39120 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |

## DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: City of Largo AWWTF

MONITORING GROUP

PRT-E

PERMIT NUMBER: FL0026603-013-DW1P/NR

NUMBER:

MONITORING PERIOD

From: \_\_\_\_\_

To: \_\_\_\_\_

| Parameter                                |                    | Quantity or Loading |  | Units | Quality or Concentration |               |      | Units | No. Ex. | Frequency of Analysis | Sample Type |
|--|--------------------|---------------------|--|-------|--------------------------|---------------|------|-------|---------|-----------------------|-------------|
| Benzo(a)anthracene                       | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34526 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Benzo(a)pyrene                           | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34247 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Benzo(b)fluoranthene (3,4-benzo)         | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 79531 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Benzo(ghi)perylene                       | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34521 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Benzo(k)fluoranthene                     | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34242 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Bis (2-chloroethoxy) methane             | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34278 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Bis (2-chloroethyl) ether                | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34273 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Bis (2-chloroisopropyl) ether            | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34283 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Bis (2-ethylhexyl) phthalate             | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 39100 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| 4-bromophenyl phenyl ether               | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34636 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |

## DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: City of Largo AWWTF

MONITORING GROUP

PRT-E

PERMIT NUMBER: FL0026603-013-DW1P/NR

NUMBER:

MONITORING PERIOD

From: \_\_\_\_\_

To: \_\_\_\_\_

| Parameter                                |                    | Quantity or Loading |  | Units | Quality or Concentration |               |      | Units | No. Ex. | Frequency of Analysis | Sample Type |
|--|--------------------|---------------------|--|-------|--------------------------|---------------|------|-------|---------|-----------------------|-------------|
| Butyl benzyl phthalate                   | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34292 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| 2-chloronaphthalene                      | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34581 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| 4-chlorophenyl phenyl ether              | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34641 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Chrysene                                 | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34320 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Dibenzo (a,h) anthracene                 | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34556 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| 3,3'-dichlorobenzidine                   | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34631 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Diethyl phthalate                        | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34336 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Dimethyl phthalate                       | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34341 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Di-n-butyl phthalate                     | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 39110 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| 2,4-dinitrotoluene                       | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34611 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |

## DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: City of Largo AWWTF

MONITORING GROUP

PRT-E

PERMIT NUMBER: FL0026603-013-DW1P/NR

NUMBER:

MONITORING PERIOD

From: \_\_\_\_\_

To: \_\_\_\_\_

| Parameter                                |                    | Quantity or Loading |  | Units | Quality or Concentration |               |      | Units | No. Ex. | Frequency of Analysis | Sample Type |
|--|--------------------|---------------------|--|-------|--------------------------|---------------|------|-------|---------|-----------------------|-------------|
| 2,6-dinitrotoluene                       | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34626 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Di-n-octyl phthalate                     | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34596 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| 1,2-diphenylhydrazine                    | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34346 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Fluoranthene                             | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34376 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Fluorene                                 | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34381 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Hexachlorobenzene                        | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 39700 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Hexachlorobutadiene                      | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 39702 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Hexachlorocyclopentadiene                | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34386 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Hexachloroethane                         | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34396 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Indeno (1,2,3-Cd) pyrene                 | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34403 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |

## DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: City of Largo AWWTF

MONITORING GROUP

PRT-E

PERMIT NUMBER: FL0026603-013-DW1P/NR

NUMBER:

MONITORING PERIOD

From: \_\_\_\_\_

To: \_\_\_\_\_

| Parameter                                |                    | Quantity or Loading |  | Units | Quality or Concentration |               |      | Units | No. Ex. | Frequency of Analysis | Sample Type |
|--|--------------------|---------------------|--|-------|--------------------------|---------------|------|-------|---------|-----------------------|-------------|
| Isophorone                               | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34408 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Naphthalene                              | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34696 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Nitrobenzene                             | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34447 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| N-nitrosodimethylamine                   | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34438 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| N-nitrosodi-n-propylamine                | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34428 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| N-nitrosodiphenylamine                   | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34433 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Phenanthrene                             | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34461 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Pyrene                                   | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34469 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| 1,2,4-trichlorobenzene                   | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34551 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Aldrin                                   | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 39330 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |

## DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: City of Largo AWWTF

MONITORING GROUP

PRT-E

PERMIT NUMBER: FL0026603-013-DW1P/NR

NUMBER:

MONITORING PERIOD

From: \_\_\_\_\_

To: \_\_\_\_\_

| Parameter                                |                    | Quantity or Loading |  | Units | Quality or Concentration |               |      | Units | No. Ex. | Frequency of Analysis | Sample Type |
|--|--------------------|---------------------|--|-------|--------------------------|---------------|------|-------|---------|-----------------------|-------------|
| Alpha-bhc                                | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 39336 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| B-bhc-beta                               | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 39338 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Gamma BHC (Lindane)                      | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 39782 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Delta benzene hexachloride               | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34259 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Chlordane (tech mix. and metabolites)    | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 39350 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| 4,4'-DDT (p,p'-DDT)                      | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 39300 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| 4,4'-DDE (p,p'-DDE)                      | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 39320 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| 4,4'-DDD (p,p'-DDD)                      | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 39310 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Dieldrin                                 | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 39380 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| A-endosulfan-alpha                       | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34361 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |



## DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: City of Largo AWWTF

MONITORING GROUP

PRT-E

PERMIT NUMBER: FL0026603-013-DW1P/NR

NUMBER:

MONITORING PERIOD

From: \_\_\_\_\_

To: \_\_\_\_\_

| Parameter                                |                    | Quantity or Loading |  | Units | Quality or Concentration |               |      | Units | No. Ex. | Frequency of Analysis | Sample Type |
|--|--------------------|---------------------|--|-------|--------------------------|---------------|------|-------|---------|-----------------------|-------------|
| B-endosulfan-beta                        | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34356 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Endosulfan sulfate                       | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34351 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Endrin                                   | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 39390 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Endrin aldehyde                          | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34366 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Heptachlor                               | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 39410 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Heptachlor epoxide                       | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 39420 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| PCB-1242                                 | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 39496 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| PCB-1254                                 | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 39504 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| PCB-1221                                 | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 39488 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| PCB-1232                                 | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 39492 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |

## DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: City of Largo AWWTF

MONITORING GROUP

PRT-E

PERMIT NUMBER: FL0026603-013-DW1P/NR

NUMBER:

MONITORING PERIOD

From: \_\_\_\_\_

To: \_\_\_\_\_

| Parameter                                |                    | Quantity or Loading |  | Units | Quality or Concentration |               |      | Units | No. Ex. | Frequency of Analysis | Sample Type |
|--|--------------------|---------------------|--|-------|--------------------------|---------------|------|-------|---------|-----------------------|-------------|
| PCB-1248                                 | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 39500 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| PCB-1260                                 | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 39508 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| PCB-1016                                 | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34671 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Toxaphene                                | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 39400 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Antimony, Total Recoverable              | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 01268 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Arsenic, Total Recoverable               | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 00978 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Beryllium, Total Recoverable             | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 00998 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Cadmium, Total Recoverable               | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 01113 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Chromium, Total Recoverable              | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 01118 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Copper, Total Recoverable                | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 01119 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |

## DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: City of Largo AWWTF

MONITORING GROUP  
NUMBER:  
MONITORING PERIOD

PRT-E

PERMIT NUMBER: FL0026603-013-DW1P/NR

From: \_\_\_\_\_ To: \_\_\_\_\_

| Parameter                                |                    | Quantity or Loading |  | Units | Quality or Concentration |               |      | Units | No. Ex. | Frequency of Analysis | Sample Type |
|--|--------------------|---------------------|--|-------|--------------------------|---------------|------|-------|---------|-----------------------|-------------|
| Lead, Total Recoverable                  | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 01114 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Mercury, Total Recoverable               | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 71901 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | Grab        |
| Nickel, Total Recoverable                | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 01074 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Selenium, Total Recoverable              | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 00981 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Silver, Total Recoverable                | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 01079 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Thallium, Total Recoverable              | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 00982 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Zinc, Total Recoverable                  | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 01094 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Cyanide, Total Recoverable               | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 78248 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | Grab        |
| Phenolic Compounds, Total Recoverable    | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 70029 1<br>Mon. Site No. PRT-E | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) | ug/L |       |         | Annually              | Grab        |
|  |                    |                     |  |       |                          |               |      |       |         |                       |             |
|  |                    |                     |  |       |                          |               |      |       |         |                       |             |

**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

**When Completed submit this report to:** <http://www.fldeportal.com/go/>

PERMITTEE NAME: City of Largo.  
MAILING ADDRESS: P.O. Box 296  
Largo, Florida 33779-

FACILITY: City of Largo AWWTP  
LOCATION: 5100 150th Ave. N.  
Clearwater, FL 33760-3502

COUNTY: Pinellas  
OFFICE: Southwest District

PERMIT NUMBER: FL0026603-013-DW1P/NR

LIMIT: Final  
CLASS SIZE: MA  
MONITORING GROUP NUMBER: PRT-R  
MONITORING GROUP DESCRIPTION: Residuals Pretreatment

REPORT FREQUENCY: Annually  
PROGRAM: Domestic

RE-SUBMITTED DMR: ☐  
NO DISCHARGE FROM SITE: ☐  
MONITORING PERIOD From: \_\_\_\_\_ To: \_\_\_\_\_

| Parameter                             |                    | Quantity or Loading |  | Units | Quality or Concentration |               |  | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---------------------------------------|--------------------|---------------------|--|-------|--------------------------|---------------|--|-------|---------|-----------------------|-------------|
| Arsenic Total, Dry Weight, Sludge     | Sample Measurement |                     |  |       |                          |               |  |       |         |                       |             |
| PARM Code 49565 + Mon. Site No. PRT-R | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) |  | mg/kg |         | Annually              | Composite   |
| Cadmium, Sludge, Tot. Dry Wt. (Cd)    | Sample Measurement |                     |  |       |                          |               |  |       |         |                       |             |
| PARM Code 78476 + Mon. Site No. PRT-R | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) |  | mg/kg |         | Annually              | Composite   |
| Copper, Sludge, Tot. Dry Wt. (as Cu)  | Sample Measurement |                     |  |       |                          |               |  |       |         |                       |             |
| PARM Code 78475 + Mon. Site No. PRT-R | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) |  | mg/kg |         | Annually              | Composite   |
| Lead, Dry Weight                      | Sample Measurement |                     |  |       |                          |               |  |       |         |                       |             |
| PARM Code 78468 + Mon. Site No. PRT-R | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) |  | mg/kg |         | Annually              | Composite   |
| Mercury, Dry Weight                   | Sample Measurement |                     |  |       |                          |               |  |       |         |                       |             |
| PARM Code 78471 + Mon. Site No. PRT-R | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) |  | mg/kg |         | Annually              | Composite   |
| Molybdenum, Dry Weight                | Sample Measurement |                     |  |       |                          |               |  |       |         |                       |             |
| PARM Code 78465 + Mon. Site No. PRT-R | Permit Requirement |                     |  |       | Report (An.Avg.)         | Report (Max.) |  | mg/kg |         | Annually              | Composite   |

\*FOR THOSE PARAMETERS THAT ARE SAMPLED ANNUALLY, THE MAXIMUM AND AVERAGE CONCENTRATIONS ARE EQUIVALENT AND SHALL BE REPORTED AS SUCH ON THE DMR.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

| NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | TELEPHONE NO | DATE (mm/dd/yyyy) |
|---|--|--------------|-------------------|
|   |  |              |                   |

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

**DISCHARGE MONITORING REPORT - PART A (Continued)**

FACILITY: City of Largo AWWTF

## MONITORING GROUP

PRT-R

PERMIT NUMBER: FL0026603-013-DW1P/NR

NUMBER:

MONITORING PERIOD

From: \_\_\_\_\_ To: \_\_\_\_\_

To: \_\_\_\_\_

[illegible]

**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

**When Completed submit this report to:** <http://www.fldeportal.com/go/>

PERMITTEE NAME: City of Largo.  
MAILING ADDRESS: P.O. Box 296  
Largo, Florida 33779-

FACILITY: City of Largo AWWTP  
LOCATION: 5100 150th Ave. N.  
Clearwater, FL 33760-3502

COUNTY: Pinellas  
OFFICE: Southwest District

PERMIT NUMBER: FL0026603-013-DW1P/NR

LIMIT: Final  
CLASS SIZE: MA  
MONITORING GROUP NUMBER: RWS-A  
MONITORING GROUP DESCRIPTION: Annual Reclaimed Water or Effluent Analysis  
RE-SUBMITTED DMR: ☐  
NO DISCHARGE FROM SITE: ☐  
MONITORING NOT REQUIRED:\* ☐  
MONITORING PERIOD From: \_\_\_\_\_ To: \_\_\_\_\_

REPORT FREQUENCY: Annually  
PROGRAM: Domestic

| Parameter                                |                    | Quantity or Loading | Units | Quality or Concentration | Units | No. Ex. | Frequency of Analysis | Sample Type |
|--|--------------------|---------------------|-------|--------------------------|-------|---------|-----------------------|-------------|
| Antimony, Total Recoverable (GWS = 6)**  | Sample Measurement |                     |       |                          |       |         |                       |             |
| PARM Code 01268 P<br>Mon. Site No. RWS-A | Permit Requirement |                     |       | Report (Max.)            | ug/L  |         | Annually              | 24-hr FPC   |
| Arsenic, Total Recoverable (GWS = 10)    | Sample Measurement |                     |       |                          |       |         |                       |             |
| PARM Code 00978 P<br>Mon. Site No. RWS-A | Permit Requirement |                     |       | Report (Max.)            | ug/L  |         | Annually              | 24-hr FPC   |
| Barium, Total Recoverable (GWS = 2,000)  | Sample Measurement |                     |       |                          |       |         |                       |             |
| PARM Code 01009 P<br>Mon. Site No. RWS-A | Permit Requirement |                     |       | Report (Max.)            | ug/L  |         | Annually              | 24-hr FPC   |
| Beryllium, Total Recoverable (GWS = 4)   | Sample Measurement |                     |       |                          |       |         |                       |             |
| PARM Code 00998 P<br>Mon. Site No. RWS-A | Permit Requirement |                     |       | Report (Max.)            | ug/L  |         | Annually              | 24-hr FPC   |
| Cadmium, Total Recoverable (GWS = 5)     | Sample Measurement |                     |       |                          |       |         |                       |             |
| PARM Code 01113 P<br>Mon. Site No. RWS-A | Permit Requirement |                     |       | Report (Max.)            | ug/L  |         | Annually              | 24-hr FPC   |
| Chromium, Total Recoverable (GWS =100)   | Sample Measurement |                     |       |                          |       |         |                       |             |
| PARM Code 01118 P<br>Mon. Site No. RWS-A | Permit Requirement |                     |       | Report (Max.)            | ug/L  |         | Annually              | 24-hr FPC   |

\*THE "MONITORING NOT REQUIRED" CHECKBOX SHOULD BE SELECTED WHEN A CERTIFICATION STATEMENT IN ACCORDANCE WITH SUBSECTION 62-600.680(2), F.A.C., IS SUBMITTED WITH THIS DMR. SEE CERTIFICATION STATEMENT IN COMMENTS SECTION BELOW.

\*\*GROUND WATER STANDARD (GWS) FOR REFERENCE AND REVIEW ONLY.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

| NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | TELEPHONE NO | DATE (mm/dd/yyyy) |
|---|--|--------------|-------------------|
|   |  |              |                   |

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

☐ NO NEW NON-DOMESTIC WASTEWATER DISCHARGERS HAVE BEEN ADDED TO THE COLLECTION SYSTEM SINCE THE LAST RECLAIMED WATER OR EFFLUENT ANALYSIS WAS CONDUCTED.  
SIGN AND DATE:

## DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: City of Largo AWWTF

MONITORING GROUP

RWS-A

PERMIT NUMBER: FL0026603-013-DW1P/NR

NUMBER:

MONITORING PERIOD

From: \_\_\_\_\_

To: \_\_\_\_\_

| Parameter   |                    | Quantity or Loading |  | Units | Quality or Concentration |               |      | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|--------------------|---------------------|--|-------|--------------------------|---------------|------|-------|---------|-----------------------|-------------|
| Cyanide, Free (amen. to chlorination)(GWS = 200)    | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 00722 P<br>Mon. Site No. RWS-A            | Permit Requirement |                     |  |       |                          | Report (Max.) | ug/L |       |         | Annually              | Grab        |
| Fluoride, Total (as F) (GWS = 4.0/2.0)              | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 00951 P<br>Mon. Site No. RWS-A            | Permit Requirement |                     |  |       |                          | Report (Max.) | mg/L |       |         | Annually              | 24-hr FPC   |
| Lead, Total Recoverable (GWS = 15)                  | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 01114 P<br>Mon. Site No. RWS-A            | Permit Requirement |                     |  |       |                          | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Mercury, Total Recoverable (GWS = 2)                | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 71901 P<br>Mon. Site No. RWS-A            | Permit Requirement |                     |  |       |                          | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Nickel, Total Recoverable (GWS = 100)               | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 01074 P<br>Mon. Site No. RWS-A            | Permit Requirement |                     |  |       |                          | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Nitrogen, Nitrate, Total (as N) (GWS = 10)          | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 00620 P<br>Mon. Site No. RWS-A            | Permit Requirement |                     |  |       |                          | Report (Max.) | mg/L |       |         | Annually              | 24-hr FPC   |
| Nitrogen, Nitrite, Total (as N) (GWS = 1)           | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 00615 P<br>Mon. Site No. RWS-A            | Permit Requirement |                     |  |       |                          | Report (Max.) | mg/L |       |         | Annually              | 24-hr FPC   |
| Nitrite plus Nitrate, Total 1 det. (as N)(GWS = 10) | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 00630 P<br>Mon. Site No. RWS-A            | Permit Requirement |                     |  |       |                          | Report (Max.) | mg/L |       |         | Annually              | 24-hr FPC   |
| Selenium, Total Recoverable (GWS =50)               | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 00981 P<br>Mon. Site No. RWS-A            | Permit Requirement |                     |  |       |                          | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Sodium, Total Recoverable (GWS = 160)               | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 00923 P<br>Mon. Site No. RWS-A            | Permit Requirement |                     |  |       |                          | Report (Max.) | mg/L |       |         | Annually              | 24-hr FPC   |

## DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: City of Largo AWWTF

MONITORING GROUP

RWS-A

PERMIT NUMBER: FL0026603-013-DW1P/NR

NUMBER:

MONITORING PERIOD

From: \_\_\_\_\_

To: \_\_\_\_\_

| Parameter                                |                    | Quantity or Loading |  | Units | Quality or Concentration |               |      | Units | No. Ex. | Frequency of Analysis | Sample Type |
|--|--------------------|---------------------|--|-------|--------------------------|---------------|------|-------|---------|-----------------------|-------------|
| Thallium, Total Recoverable (GWS = 2)    | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 00982 P<br>Mon. Site No. RWS-A | Permit Requirement |                     |  |       |                          | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| 1,1-dichloroethylene (GWS = 7)           | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34501 P<br>Mon. Site No. RWS-A | Permit Requirement |                     |  |       |                          | Report (Max.) | ug/L |       |         | Annually              | Grab        |
| 1,1,1-trichloroethane (GWS = 200)        | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34506 P<br>Mon. Site No. RWS-A | Permit Requirement |                     |  |       |                          | Report (Max.) | ug/L |       |         | Annually              | Grab        |
| 1,1,2-trichloroethane (GWS = 5)          | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34511 P<br>Mon. Site No. RWS-A | Permit Requirement |                     |  |       |                          | Report (Max.) | ug/L |       |         | Annually              | Grab        |
| 1,2-dichloroethane (GWS = 3)             | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 32103 P<br>Mon. Site No. RWS-A | Permit Requirement |                     |  |       |                          | Report (Max.) | ug/L |       |         | Annually              | Grab        |
| 1,2-dichloropropane (GWS = 5)            | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34541 P<br>Mon. Site No. RWS-A | Permit Requirement |                     |  |       |                          | Report (Max.) | ug/L |       |         | Annually              | Grab        |
| 1,2,4-trichlorobenzene (GWS = 70)        | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34551 P<br>Mon. Site No. RWS-A | Permit Requirement |                     |  |       |                          | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Benzene (GWS = 1)                        | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34030 P<br>Mon. Site No. RWS-A | Permit Requirement |                     |  |       |                          | Report (Max.) | ug/L |       |         | Annually              | Grab        |
| Carbon tetrachloride (GWS = 3)           | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 32102 P<br>Mon. Site No. RWS-A | Permit Requirement |                     |  |       |                          | Report (Max.) | ug/L |       |         | Annually              | Grab        |
| Cis-1,2-dichloroethene (GWS = 70)        | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 81686 P<br>Mon. Site No. RWS-A | Permit Requirement |                     |  |       |                          | Report (Max.) | ug/L |       |         | Annually              | Grab        |



## DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: City of Largo AWWTF

MONITORING GROUP

RWS-A

PERMIT NUMBER: FL0026603-013-DW1P/NR

NUMBER:

MONITORING PERIOD

From: \_\_\_\_\_

To: \_\_\_\_\_

| Parameter                                     |                    | Quantity or Loading |  | Units | Quality or Concentration |               |      | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|--------------------|---------------------|--|-------|--------------------------|---------------|------|-------|---------|-----------------------|-------------|
| Dichloromethane (methylene chloride)(GWS = 5) | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 03821 P<br>Mon. Site No. RWS-A      | Permit Requirement |                     |  |       |                          | Report (Max.) | ug/L |       |         | Annually              | Grab        |
| Ethylbenzene (GWS = 700)                      | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34371 P<br>Mon. Site No. RWS-A      | Permit Requirement |                     |  |       |                          | Report (Max.) | ug/L |       |         | Annually              | Grab        |
| Monochlorobenzene (GWS = 100)                 | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34031 P<br>Mon. Site No. RWS-A      | Permit Requirement |                     |  |       |                          | Report (Max.) | ug/L |       |         | Annually              | Grab        |
| 1,2-dichlorobenzene (GWS = 600)               | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34536 P<br>Mon. Site No. RWS-A      | Permit Requirement |                     |  |       |                          | Report (Max.) | ug/L |       |         | Annually              | Grab        |
| 1,4-dichlorobenzene (GWS = 75)                | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34571 P<br>Mon. Site No. RWS-A      | Permit Requirement |                     |  |       |                          | Report (Max.) | ug/L |       |         | Annually              | Grab        |
| Styrene, Total (GWS = 100)                    | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 77128 P<br>Mon. Site No. RWS-A      | Permit Requirement |                     |  |       |                          | Report (Max.) | ug/L |       |         | Annually              | Grab        |
| Tetrachloroethylene (GWS = 3)                 | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34475 P<br>Mon. Site No. RWS-A      | Permit Requirement |                     |  |       |                          | Report (Max.) | ug/L |       |         | Annually              | Grab        |
| Toluene (GWS = 1,000)                         | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34010 P<br>Mon. Site No. RWS-A      | Permit Requirement |                     |  |       |                          | Report (Max.) | ug/L |       |         | Annually              | Grab        |
| 1,2-trans-dichloroethylene (GWS = 100)        | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34546 P<br>Mon. Site No. RWS-A      | Permit Requirement |                     |  |       |                          | Report (Max.) | ug/L |       |         | Annually              | Grab        |
| Trichloroethylene (GWS = 3)                   | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 39180 P<br>Mon. Site No. RWS-A      | Permit Requirement |                     |  |       |                          | Report (Max.) | ug/L |       |         | Annually              | Grab        |

## DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: City of Largo AWWTF

MONITORING GROUP

RWS-A

PERMIT NUMBER: FL0026603-013-DW1P/NR

NUMBER:

MONITORING PERIOD

From: \_\_\_\_\_

To: \_\_\_\_\_

| Parameter  |                    | Quantity or Loading |  | Units | Quality or Concentration |               |      | Units | No. Ex. | Frequency of Analysis | Sample Type |
|--|--------------------|---------------------|--|-------|--------------------------|---------------|------|-------|---------|-----------------------|-------------|
| Vinyl chloride<br>(GWS = 1)                                    | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 39175 P<br>Mon. Site No. RWS-A                       | Permit Requirement |                     |  |       |                          | Report (Max.) | ug/L |       |         | Annually              | Grab        |
| Xylenes<br>(GWS = 10,000)                                      | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 81551 P<br>Mon. Site No. RWS-A                       | Permit Requirement |                     |  |       |                          | Report (Max.) | ug/L |       |         | Annually              | Grab        |
| 2,3,7,8-tetrachlorodibenzo-p-dioxin(GWS = 3x10 <sup>-5</sup> ) | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34675 P<br>Mon. Site No. RWS-A                       | Permit Requirement |                     |  |       |                          | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| 2,4-dichlorophenoxyacetic acid<br>(GWS = 70)                   | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 39730 P<br>Mon. Site No. RWS-A                       | Permit Requirement |                     |  |       |                          | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Silvex<br>(GWS = 50)   | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 39760 P<br>Mon. Site No. RWS-A                       | Permit Requirement |                     |  |       |                          | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Alachlor<br>(GWS = 2)  | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 39161 P<br>Mon. Site No. RWS-A                       | Permit Requirement |                     |  |       |                          | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Atrazine<br>(GWS = 3)  | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 39033 P<br>Mon. Site No. RWS-A                       | Permit Requirement |                     |  |       |                          | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Benzo(a)pyrene<br>(GWS = 0.2)                                  | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34247 P<br>Mon. Site No. RWS-A                       | Permit Requirement |                     |  |       |                          | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Carbofuran<br>(GWS = 40)                                       | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 81405 P<br>Mon. Site No. RWS-A                       | Permit Requirement |                     |  |       |                          | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Chlordane (tech mix. and metabolites) (GWS = 2)                | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 39350 P<br>Mon. Site No. RWS-A                       | Permit Requirement |                     |  |       |                          | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |

## DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: City of Largo AWWTF

MONITORING GROUP

RWS-A

PERMIT NUMBER: FL0026603-013-DW1P/NR

NUMBER:

MONITORING PERIOD

From: \_\_\_\_\_

To: \_\_\_\_\_

| Parameter  |                    | Quantity or Loading |  | Units | Quality or Concentration |               |      | Units | No. Ex. | Frequency of Analysis | Sample Type |
|--|--------------------|---------------------|--|-------|--------------------------|---------------|------|-------|---------|-----------------------|-------------|
| Dalapon<br>(GWS = 200)                             | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 38432 P<br>Mon. Site No. RWS-A           | Permit Requirement |                     |  |       |                          | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Bis(2-ethylhexyl) adipate<br>(GWS = 400)           | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 77903 P<br>Mon. Site No. RWS-A           | Permit Requirement |                     |  |       |                          | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Bis (2-ethylhexyl) phthalate<br>(GWS = 6)          | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 39100 P<br>Mon. Site No. RWS-A           | Permit Requirement |                     |  |       |                          | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Dibromochloropropane (DBCP)<br>(GWS = 0.2)         | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 82625 P<br>Mon. Site No. RWS-A           | Permit Requirement |                     |  |       |                          | Report (Max.) | ug/L |       |         | Annually              | Grab        |
| Dinoseb<br>(GWS = 7)                               | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 30191 P<br>Mon. Site No. RWS-A           | Permit Requirement |                     |  |       |                          | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Diquat<br>(GWS = 20)                               | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 04443 P<br>Mon. Site No. RWS-A           | Permit Requirement |                     |  |       |                          | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Endothall<br>(GWS = 100)                           | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 38926 P<br>Mon. Site No. RWS-A           | Permit Requirement |                     |  |       |                          | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Endrin<br>(GWS = 2)                                | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 39390 P<br>Mon. Site No. RWS-A           | Permit Requirement |                     |  |       |                          | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Ethylene dibromide (1,2-dibromoethane)(GWS = 0.02) | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 77651 P<br>Mon. Site No. RWS-A           | Permit Requirement |                     |  |       |                          | Report (Max.) | ug/L |       |         | Annually              | Grab        |
| Glyphosate<br>(GWS = 0.7)                          | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 79743 P<br>Mon. Site No. RWS-A           | Permit Requirement |                     |  |       |                          | Report (Max.) | mg/L |       |         | Annually              | 24-hr FPC   |

## DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: City of Largo AWWTF

MONITORING GROUP

RWS-A

PERMIT NUMBER: FL0026603-013-DW1P/NR

NUMBER:

MONITORING PERIOD

From:

To:

| Parameter                                      |                    | Quantity or Loading |  | Units | Quality or Concentration |               |      | Units | No. Ex. | Frequency of Analysis | Sample Type |
|--|--------------------|---------------------|--|-------|--------------------------|---------------|------|-------|---------|-----------------------|-------------|
| Heptachlor<br>(GWS = 0.4)                      | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 39410 P<br>Mon. Site No. RWS-A       | Permit Requirement |                     |  |       |                          | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Heptachlor epoxide<br>(GWS = 0.2)              | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 39420 P<br>Mon. Site No. RWS-A       | Permit Requirement |                     |  |       |                          | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Hexachlorobenzene<br>(GWS = 1)                 | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 39700 P<br>Mon. Site No. RWS-A       | Permit Requirement |                     |  |       |                          | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Hexachlorocyclopentadiene<br>(GWS = 50)        | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 34386 P<br>Mon. Site No. RWS-A       | Permit Requirement |                     |  |       |                          | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Gamma BHC (Lindane)<br>(GWS = 0.2)             | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 39782 P<br>Mon. Site No. RWS-A       | Permit Requirement |                     |  |       |                          | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Methoxychlor<br>(GWS = 40)                     | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 39480 P<br>Mon. Site No. RWS-A       | Permit Requirement |                     |  |       |                          | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Oxamyl (vydate)<br>(GWS = 200)                 | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 38865 P<br>Mon. Site No. RWS-A       | Permit Requirement |                     |  |       |                          | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Pentachlorophenol<br>(GWS = 1)                 | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 39032 P<br>Mon. Site No. RWS-A       | Permit Requirement |                     |  |       |                          | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Picloram<br>(GWS = 500)                        | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 39720 P<br>Mon. Site No. RWS-A       | Permit Requirement |                     |  |       |                          | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Polychlorinated Biphenyls<br>(PCBs)(GWS = 0.5) | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 39516 P<br>Mon. Site No. RWS-A       | Permit Requirement |                     |  |       |                          | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |

## DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: City of Largo AWWTF

MONITORING GROUP

RWS-A

PERMIT NUMBER: FL0026603-013-DW1P/NR

NUMBER:

MONITORING PERIOD

From: \_\_\_\_\_

To: \_\_\_\_\_

| Parameter                                       |                    | Quantity or Loading |  | Units | Quality or Concentration |               |       | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|--------------------|---------------------|--|-------|--------------------------|---------------|-------|-------|---------|-----------------------|-------------|
| Simazine<br>(GWS = 4)                           | Sample Measurement |                     |  |       |                          |               |       |       |         |                       |             |
| PARM Code 39055 P<br>Mon. Site No. RWS-A        | Permit Requirement |                     |  |       |                          | Report (Max.) | ug/L  |       |         | Annually              | 24-hr FPC   |
| Toxaphene<br>(GWS = 3)                          | Sample Measurement |                     |  |       |                          |               |       |       |         |                       |             |
| PARM Code 39400 P<br>Mon. Site No. RWS-A        | Permit Requirement |                     |  |       |                          | Report (Max.) | ug/L  |       |         | Annually              | 24-hr FPC   |
| Trihalomethane, Total by summation(GWS = 0.080) | Sample Measurement |                     |  |       |                          |               |       |       |         |                       |             |
| PARM Code 82080 P<br>Mon. Site No. RWS-A        | Permit Requirement |                     |  |       |                          | Report (Max.) | mg/L  |       |         | Annually              | Grab        |
| Radium 226 + Radium 228, Total<br>(GWS = 5)     | Sample Measurement |                     |  |       |                          |               |       |       |         |                       |             |
| PARM Code 11503 P<br>Mon. Site No. RWS-A        | Permit Requirement |                     |  |       |                          | Report (Max.) | pCi/L |       |         | Annually              | 24-hr FPC   |
| Alpha, Gross Particle Activity<br>(GWS = 15)    | Sample Measurement |                     |  |       |                          |               |       |       |         |                       |             |
| PARM Code 80045 P<br>Mon. Site No. RWS-A        | Permit Requirement |                     |  |       |                          | Report (Max.) | pCi/L |       |         | Annually              | 24-hr FPC   |
| Aluminum, Total Recoverable<br>(GWS = 0.2)      | Sample Measurement |                     |  |       |                          |               |       |       |         |                       |             |
| PARM Code 01104 P<br>Mon. Site No. RWS-A        | Permit Requirement |                     |  |       |                          | Report (Max.) | mg/L  |       |         | Annually              | 24-hr FPC   |
| Chloride (as Cl)<br>(GWS = 250)                 | Sample Measurement |                     |  |       |                          |               |       |       |         |                       |             |
| PARM Code 00940 P<br>Mon. Site No. RWS-A        | Permit Requirement |                     |  |       |                          | Report (Max.) | mg/L  |       |         | Annually              | 24-hr FPC   |
| Iron, Total Recoverable<br>(GWS = 0.3)          | Sample Measurement |                     |  |       |                          |               |       |       |         |                       |             |
| PARM Code 00980 P<br>Mon. Site No. RWS-A        | Permit Requirement |                     |  |       |                          | Report (Max.) | mg/L  |       |         | Annually              | 24-hr FPC   |
| Copper, Total Recoverable<br>(GWS = 1,000)      | Sample Measurement |                     |  |       |                          |               |       |       |         |                       |             |
| PARM Code 01119 P<br>Mon. Site No. RWS-A        | Permit Requirement |                     |  |       |                          | Report (Max.) | ug/L  |       |         | Annually              | 24-hr FPC   |
| Manganese, Total Recoverable<br>(GWS = 50)      | Sample Measurement |                     |  |       |                          |               |       |       |         |                       |             |
| PARM Code 11123 P<br>Mon. Site No. RWS-A        | Permit Requirement |                     |  |       |                          | Report (Max.) | ug/L  |       |         | Annually              | 24-hr FPC   |

## DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: City of Largo AWWTF

MONITORING GROUP  
NUMBER:  
MONITORING PERIOD

RWS-A

PERMIT NUMBER: FL0026603-013-DW1P/NR

From: \_\_\_\_\_ To: \_\_\_\_\_

| Parameter                                 |                    | Quantity or Loading |  | Units | Quality or Concentration |               |      | Units | No. Ex. | Frequency of Analysis | Sample Type |
|---|--------------------|---------------------|--|-------|--------------------------|---------------|------|-------|---------|-----------------------|-------------|
| Silver, Total Recoverable (GWS = 100)     | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 01079 P<br>Mon. Site No. RWS-A  | Permit Requirement |                     |  |       |                          | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| Sulfate, Total (GWS = 250)                | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 00945 P<br>Mon. Site No. RWS-A  | Permit Requirement |                     |  |       |                          | Report (Max.) | mg/L |       |         | Annually              | 24-hr FPC   |
| Zinc, Total Recoverable (GWS = 5,000)     | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 01094 P<br>Mon. Site No. RWS-A  | Permit Requirement |                     |  |       |                          | Report (Max.) | ug/L |       |         | Annually              | 24-hr FPC   |
| pH (GWS = 6.5-8.5)                        | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 00400 P<br>Mon. Site No. RWS-A  | Permit Requirement |                     |  |       |                          | Report (Max.) | s.u. |       |         | Annually              | Grab        |
| Solids, Total Dissolved (TDS) (GWS = 500) | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 70295 P<br>Mon. Site No. RWS-A  | Permit Requirement |                     |  |       |                          | Report (Max.) | mg/L |       |         | Annually              | 24-hr FPC   |
| Foaming Agents (GWS = 0.5)                | Sample Measurement |                     |  |       |                          |               |      |       |         |                       |             |
| PARM Code 01288 P<br>Mon. Site No. RWS-A  | Permit Requirement |                     |  |       |                          | Report (Max.) | mg/L |       |         | Annually              | 24-hr FPC   |
|   |                    |                     |  |       |                          |               |      |       |         |                       |             |
|   |                    |                     |  |       |                          |               |      |       |         |                       |             |
|   |                    |                     |  |       |                          |               |      |       |         |                       |             |
|   |                    |                     |  |       |                          |               |      |       |         |                       |             |
|   |                    |                     |  |       |                          |               |      |       |         |                       |             |
|   |                    |                     |  |       |                          |               |      |       |         |                       |             |
|   |                    |                     |  |       |                          |               |      |       |         |                       |             |

## DAILY SAMPLE RESULTS - PART B

Permit Number:  
Monitoring Period

FL0026603-013-DW1P/NR

From: \_\_\_\_\_ To: \_\_\_\_\_

Facility: City of Largo AWWTF

| Code      | BOD,<br>Carbonaceous<br>5 day, 20C<br>mg/L | Chlorine,<br>Total<br>Residual (For<br>Disinfection)<br>mg/L | Coliform,<br>Fecal<br>#/100mL | Nitrogen,<br>Total<br>mg/L | Phosphorus,<br>Total (as P)<br>mg/L | Solids, Total<br>Suspended<br>mg/L | pH<br>s.u. (Min) | pH<br>s.u. (Max). | Solids, Total<br>Suspended<br>mg/L | Turbidity<br>NTU | Peracetic<br>Acid<br>mg/L |
|-----------|--|--|-------------------------------|----------------------------|-------------------------------------|------------------------------------|------------------|-------------------|------------------------------------|------------------|---------------------------|
| Mon. Site | 80082<br>EFA-01                            | 50060<br>EFA-01  | 74055<br>EFA-01               | 00600<br>EFA-01            | 00665<br>EFA-01                     | 00530<br>EFA-01                    | 00400<br>EFA-01  | 00400<br>EFA-01   | 00530<br>EFB-01                    | 00070<br>EFB-01  | 51674<br>EFB-02           |
| 1         |  |  |                               |                            |                                     |                                    |                  |                   |                                    |                  |                           |
| 2         |  |  |                               |                            |                                     |                                    |                  |                   |                                    |                  |                           |
| 3         |  |  |                               |                            |                                     |                                    |                  |                   |                                    |                  |                           |
| 4         |  |  |                               |                            |                                     |                                    |                  |                   |                                    |                  |                           |
| 5         |  |  |                               |                            |                                     |                                    |                  |                   |                                    |                  |                           |
| 6         |  |  |                               |                            |                                     |                                    |                  |                   |                                    |                  |                           |
| 7         |  |  |                               |                            |                                     |                                    |                  |                   |                                    |                  |                           |
| 8         |  |  |                               |                            |                                     |                                    |                  |                   |                                    |                  |                           |
| 9         |  |  |                               |                            |                                     |                                    |                  |                   |                                    |                  |                           |
| 10        |  |  |                               |                            |                                     |                                    |                  |                   |                                    |                  |                           |
| 11        |  |  |                               |                            |                                     |                                    |                  |                   |                                    |                  |                           |
| 12        |  |  |                               |                            |                                     |                                    |                  |                   |                                    |                  |                           |
| 13        |  |  |                               |                            |                                     |                                    |                  |                   |                                    |                  |                           |
| 14        |  |  |                               |                            |                                     |                                    |                  |                   |                                    |                  |                           |
| 15        |  |  |                               |                            |                                     |                                    |                  |                   |                                    |                  |                           |
| 16        |  |  |                               |                            |                                     |                                    |                  |                   |                                    |                  |                           |
| 17        |  |  |                               |                            |                                     |                                    |                  |                   |                                    |                  |                           |
| 18        |  |  |                               |                            |                                     |                                    |                  |                   |                                    |                  |                           |
| 19        |  |  |                               |                            |                                     |                                    |                  |                   |                                    |                  |                           |
| 20        |  |  |                               |                            |                                     |                                    |                  |                   |                                    |                  |                           |
| 21        |  |  |                               |                            |                                     |                                    |                  |                   |                                    |                  |                           |
| 22        |  |  |                               |                            |                                     |                                    |                  |                   |                                    |                  |                           |
| 23        |  |  |                               |                            |                                     |                                    |                  |                   |                                    |                  |                           |
| 24        |  |  |                               |                            |                                     |                                    |                  |                   |                                    |                  |                           |
| 25        |  |  |                               |                            |                                     |                                    |                  |                   |                                    |                  |                           |
| 26        |  |  |                               |                            |                                     |                                    |                  |                   |                                    |                  |                           |
| 27        |  |  |                               |                            |                                     |                                    |                  |                   |                                    |                  |                           |
| 28        |  |  |                               |                            |                                     |                                    |                  |                   |                                    |                  |                           |
| 29        |  |  |                               |                            |                                     |                                    |                  |                   |                                    |                  |                           |
| 30        |  |  |                               |                            |                                     |                                    |                  |                   |                                    |                  |                           |
| 31        |  |  |                               |                            |                                     |                                    |                  |                   |                                    |                  |                           |
| Total     |  |  |                               |                            |                                     |                                    |                  |                   |                                    |                  |                           |
| Mo. Avg.  |  |  |                               |                            |                                     |                                    |                  |                   |                                    |                  |                           |

**PLANT STAFFING:**

|                        |              |                       |             |
|------------------------|--------------|-----------------------|-------------|
| Day Shift Operator     | Class: _____ | Certificate No: _____ | Name: _____ |
| Evening Shift Operator | Class: _____ | Certificate No: _____ | Name: _____ |
| Night Shift Operator   | Class: _____ | Certificate No: _____ | Name: _____ |
| Lead Operator          | Class: _____ | Certificate No: _____ | Name: _____ |

## DAILY SAMPLE RESULTS - PART B

Permit Number:  
Monitoring Period

FL0026603-013-DW1P/NR

From: \_\_\_\_\_ To: \_\_\_\_\_

Facility: City of Largo AWWTF

|           | Chlorine,<br>Total<br>Residual (For<br>Disinfection)<br>mg/L | Dichlorobro<br>momethane<br>ug/L | Oxygen,<br>Dissolved<br>(DO)<br>mg/L | Flow<br>MGD | Flow<br>MGD | Flow<br>MGD | BOD,<br>Carbonaceou<br>s 5 day, 20C<br>(Influent)<br>mg/L | Solids, Total<br>Suspended<br>(Influent)<br>mg/L |  |  |  |
|-----------|--|----------------------------------|--------------------------------------|-------------|-------------|-------------|---|--|--|--|--|
| Code      | 50060  | 32101                            | 00300                                | 50050       | 50050       | 50050       | 80082   | 00530  |  |  |  |
| Mon. Site | EFD-01   | EFD-01                           | EFD-01                               | FLW-01      | FLW-02      | FLW-03      | INF-01  | INF-01   |  |  |  |
| 1         |  |                                  |                                      |             |             |             |   |  |  |  |  |
| 2         |  |                                  |                                      |             |             |             |   |  |  |  |  |
| 3         |  |                                  |                                      |             |             |             |   |  |  |  |  |
| 4         |  |                                  |                                      |             |             |             |   |  |  |  |  |
| 5         |  |                                  |                                      |             |             |             |   |  |  |  |  |
| 6         |  |                                  |                                      |             |             |             |   |  |  |  |  |
| 7         |  |                                  |                                      |             |             |             |   |  |  |  |  |
| 8         |  |                                  |                                      |             |             |             |   |  |  |  |  |
| 9         |  |                                  |                                      |             |             |             |   |  |  |  |  |
| 10        |  |                                  |                                      |             |             |             |   |  |  |  |  |
| 11        |  |                                  |                                      |             |             |             |   |  |  |  |  |
| 12        |  |                                  |                                      |             |             |             |   |  |  |  |  |
| 13        |  |                                  |                                      |             |             |             |   |  |  |  |  |
| 14        |  |                                  |                                      |             |             |             |   |  |  |  |  |
| 15        |  |                                  |                                      |             |             |             |   |  |  |  |  |
| 16        |  |                                  |                                      |             |             |             |   |  |  |  |  |
| 17        |  |                                  |                                      |             |             |             |   |  |  |  |  |
| 18        |  |                                  |                                      |             |             |             |   |  |  |  |  |
| 19        |  |                                  |                                      |             |             |             |   |  |  |  |  |
| 20        |  |                                  |                                      |             |             |             |   |  |  |  |  |
| 21        |  |                                  |                                      |             |             |             |   |  |  |  |  |
| 22        |  |                                  |                                      |             |             |             |   |  |  |  |  |
| 23        |  |                                  |                                      |             |             |             |   |  |  |  |  |
| 24        |  |                                  |                                      |             |             |             |   |  |  |  |  |
| 25        |  |                                  |                                      |             |             |             |   |  |  |  |  |
| 26        |  |                                  |                                      |             |             |             |   |  |  |  |  |
| 27        |  |                                  |                                      |             |             |             |   |  |  |  |  |
| 28        |  |                                  |                                      |             |             |             |   |  |  |  |  |
| 29        |  |                                  |                                      |             |             |             |   |  |  |  |  |
| 30        |  |                                  |                                      |             |             |             |   |  |  |  |  |
| 31        |  |                                  |                                      |             |             |             |   |  |  |  |  |
| Total     |  |                                  |                                      |             |             |             |   |  |  |  |  |
| Mo. Avg.  |  |                                  |                                      |             |             |             |   |  |  |  |  |

**PLANT STAFFING:**

|                        |              |                       |             |
|------------------------|--------------|-----------------------|-------------|
| Day Shift Operator     | Class: _____ | Certificate No: _____ | Name: _____ |
| Evening Shift Operator | Class: _____ | Certificate No: _____ | Name: _____ |
| Night Shift Operator   | Class: _____ | Certificate No: _____ | Name: _____ |
| Lead Operator          | Class: _____ | Certificate No: _____ | Name: _____ |



# GROUNDWATER MONITORING REPORT - PART D

Facility Name: City of Largo AWWTF  
 Permit Number: FL0026603-013-DW1P/NR  
 County: Pinellas  
 Office: Southwest District

Monitoring Well ID: MWB-04  
 Well Type: Background  
 Description: HMW-5  
 Re-submitted DMR: ☐

Report Frequency: Quarterly  
 Program: Domestic

Monitoring Period From: \_\_\_\_\_ To: \_\_\_\_\_ Date Sample Obtained: \_\_\_\_\_

Time Sample Obtained: \_\_\_\_\_

Was the well purged before sampling? \_\_\_ Yes \_\_\_ No

| Parameter                       | PARM Code | Sample Measurement | Permit Requirement | Units   | Sample Type | Frequency of Analysis | Detection Limits | Analysis Method | Sampling Equipment Used | Samples Filtered (L/F/N) |
|---------------------------------|-----------|--------------------|--------------------|---------|-------------|-----------------------|------------------|-----------------|-------------------------|--------------------------|
| Water Level Relative to NGVD    | 82545     |                    | Report             | ft      | In Situ     | Quarterly             |                  |                 |                         |                          |
| Nitrogen, Nitrate, Total (as N) | 00620     |                    | Report             | mg/L    | Grab        | Quarterly             |                  |                 |                         |                          |
| Solids, Total Dissolved (TDS)   | 70295     |                    | Report             | mg/L    | Grab        | Quarterly             |                  |                 |                         |                          |
| Arsenic, Total Recoverable      | 00978     |                    | Report             | ug/L    | Grab        | Quarterly             |                  |                 |                         |                          |
| Chloride (as Cl)                | 00940     |                    | Report             | mg/L    | Grab        | Quarterly             |                  |                 |                         |                          |
| Cadmium, Total Recoverable      | 01113     |                    | Report             | ug/L    | Grab        | Quarterly             |                  |                 |                         |                          |
| Chromium, Total Recoverable     | 01118     |                    | Report             | ug/L    | Grab        | Quarterly             |                  |                 |                         |                          |
| Lead, Total Recoverable         | 01114     |                    | Report             | ug/L    | Grab        | Quarterly             |                  |                 |                         |                          |
| Coliform, Fecal                 | 74055     |                    | Report             | #/100mL | Grab        | Quarterly             |                  |                 |                         |                          |
| pH                              | 00400     |                    | Report             | s.u.    | In Situ     | Quarterly             |                  |                 |                         |                          |
| Sulfate, Total                  | 00945     |                    | Report             | mg/L    | Grab        | Quarterly             |                  |                 |                         |                          |
| Turbidity                       | 00070     |                    | Report             | NTU     | Grab        | Quarterly             |                  |                 |                         |                          |
| Sodium, Total Recoverable       | 00923     |                    | Report             | mg/L    | Grab        | Quarterly             |                  |                 |                         |                          |
|                                 |           |                    |                    |         |             |                       |                  |                 |                         |                          |
|                                 |           |                    |                    |         |             |                       |                  |                 |                         |                          |

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

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|---|--|--------------|-------------------|
|   |  |              |                   |

COMMENTS AND EXPLANATION (Reference all attachments here):

# GROUNDWATER MONITORING REPORT - PART D

Facility Name: City of Largo AWWTF  
 Permit Number: FL0026603-013-DW1P/NR  
 County: Pinellas  
 Office: Southwest District

Monitoring Well ID: MWC-08  
 Well Type: Compliance  
 Description: LMGC-2  
 Re-submitted DMR: ☐

Report Frequency: Quarterly  
 Program: Domestic

Monitoring Period From: \_\_\_\_\_ To: \_\_\_\_\_ Date Sample Obtained: \_\_\_\_\_  
 Time Sample Obtained: \_\_\_\_\_

Was the well purged before sampling? \_\_\_Yes \_\_\_ No

| Parameter                       | PARM Code | Sample Measurement | Permit Requirement | Units   | Sample Type | Frequency of Analysis | Detection Limits | Analysis Method | Sampling Equipment Used | Samples Filtered (L/F/N) |
|---------------------------------|-----------|--------------------|--------------------|---------|-------------|-----------------------|------------------|-----------------|-------------------------|--------------------------|
| Water Level Relative to NGVD    | 82545     |                    | Report             | ft      | In Situ     | Quarterly             |                  |                 |                         |                          |
| Nitrogen, Nitrate, Total (as N) | 00620     |                    | 10                 | mg/L    | Grab        | Quarterly             |                  |                 |                         |                          |
| Solids, Total Dissolved (TDS)   | 70295     |                    | 500                | mg/L    | Grab        | Quarterly             |                  |                 |                         |                          |
| Arsenic, Total Recoverable      | 00978     |                    | 10                 | ug/L    | Grab        | Quarterly             |                  |                 |                         |                          |
| Chloride (as Cl)                | 00940     |                    | 250                | mg/L    | Grab        | Quarterly             |                  |                 |                         |                          |
| Cadmium, Total Recoverable      | 01113     |                    | 5                  | ug/L    | Grab        | Quarterly             |                  |                 |                         |                          |
| Chromium, Total Recoverable     | 01118     |                    | 100                | ug/L    | Grab        | Quarterly             |                  |                 |                         |                          |
| Lead, Total Recoverable         | 01114     |                    | 15                 | ug/L    | Grab        | Quarterly             |                  |                 |                         |                          |
| Coliform, Fecal                 | 74055     |                    | 4                  | #/100mL | Grab        | Quarterly             |                  |                 |                         |                          |
| pH                              | 00400     |                    | 6.5-8.5            | s.u.    | In Situ     | Quarterly             |                  |                 |                         |                          |
| Sulfate, Total                  | 00945     |                    | 250                | mg/L    | Grab        | Quarterly             |                  |                 |                         |                          |
| Turbidity                       | 00070     |                    | Report             | NTU     | Grab        | Quarterly             |                  |                 |                         |                          |
| Sodium, Total Recoverable       | 00923     |                    | 160                | mg/L    | Grab        | Quarterly             |                  |                 |                         |                          |
|                                 |           |                    |                    |         |             |                       |                  |                 |                         |                          |
|                                 |           |                    |                    |         |             |                       |                  |                 |                         |                          |

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|---|--|--------------|-------------------|
|   |  |              |                   |

COMMENTS AND EXPLANATION (Reference all attachments here):

## GROUNDWATER MONITORING REPORT - PART D

Facility Name: City of Largo AWWTF  
 Permit Number: FL0026603-013-DW1P/NR  
 County: Pinellas  
 Office: Southwest District

Monitoring Well ID: MWC-09  
 Well Type: Compliance  
 Description: LMGC-3  
 Re-submitted DMR: ☐

Report Frequency: Quarterly  
 Program: Domestic

Monitoring Period From: \_\_\_\_\_ To: \_\_\_\_\_ Date Sample Obtained: \_\_\_\_\_  
 Time Sample Obtained: \_\_\_\_\_

Was the well purged before sampling? \_\_\_ Yes \_\_\_ No

| Parameter                       | PARM Code | Sample Measurement | Permit Requirement | Units   | Sample Type | Frequency of Analysis | Detection Limits | Analysis Method | Sampling Equipment Used | Samples Filtered (L/F/N) |
|---------------------------------|-----------|--------------------|--------------------|---------|-------------|-----------------------|------------------|-----------------|-------------------------|--------------------------|
| Water Level Relative to NGVD    | 82545     |                    | Report             | ft      | In Situ     | Quarterly             |                  |                 |                         |                          |
| Nitrogen, Nitrate, Total (as N) | 00620     |                    | 10                 | mg/L    | Grab        | Quarterly             |                  |                 |                         |                          |
| Solids, Total Dissolved (TDS)   | 70295     |                    | 500                | mg/L    | Grab        | Quarterly             |                  |                 |                         |                          |
| Arsenic, Total Recoverable      | 00978     |                    | 10                 | ug/L    | Grab        | Quarterly             |                  |                 |                         |                          |
| Chloride (as Cl)                | 00940     |                    | 250                | mg/L    | Grab        | Quarterly             |                  |                 |                         |                          |
| Cadmium, Total Recoverable      | 01113     |                    | 5                  | ug/L    | Grab        | Quarterly             |                  |                 |                         |                          |
| Chromium, Total Recoverable     | 01118     |                    | 100                | ug/L    | Grab        | Quarterly             |                  |                 |                         |                          |
| Lead, Total Recoverable         | 01114     |                    | 15                 | ug/L    | Grab        | Quarterly             |                  |                 |                         |                          |
| Coliform, Fecal                 | 74055     |                    | 4                  | #/100mL | Grab        | Quarterly             |                  |                 |                         |                          |
| pH                              | 00400     |                    | 6.5-8.5            | s.u.    | In Situ     | Quarterly             |                  |                 |                         |                          |
| Sulfate, Total                  | 00945     |                    | 250                | mg/L    | Grab        | Quarterly             |                  |                 |                         |                          |
| Turbidity                       | 00070     |                    | Report             | NTU     | Grab        | Quarterly             |                  |                 |                         |                          |
| Sodium, Total Recoverable       | 00923     |                    | 160                | mg/L    | Grab        | Quarterly             |                  |                 |                         |                          |
|                                 |           |                    |                    |         |             |                       |                  |                 |                         |                          |
|                                 |           |                    |                    |         |             |                       |                  |                 |                         |                          |

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|---|--|--------------|-------------------|
|   |  |              |                   |

COMMENTS AND EXPLANATION (Reference all attachments here):

# GROUNDWATER MONITORING REPORT - PART D

Facility Name: City of Largo AWWTF  
 Permit Number: FL0026603-013-DW1P/NR  
 County: Pinellas  
 Office: Southwest District

Monitoring Well ID: MWC-11  
 Well Type: Compliance  
 Description: HMW-1  
 Re-submitted DMR: ☐

Report Frequency: Quarterly  
 Program: Domestic

Monitoring Period From: \_\_\_\_\_ To: \_\_\_\_\_ Date Sample Obtained: \_\_\_\_\_

Time Sample Obtained: \_\_\_\_\_

Was the well purged before sampling? \_\_\_ Yes \_\_\_ No

| Parameter                       | PARM Code | Sample Measurement | Permit Requirement | Units   | Sample Type | Frequency of Analysis | Detection Limits | Analysis Method | Sampling Equipment Used | Samples Filtered (L/F/N) |
|---------------------------------|-----------|--------------------|--------------------|---------|-------------|-----------------------|------------------|-----------------|-------------------------|--------------------------|
| Water Level Relative to NGVD    | 82545     |                    | Report             | ft      | In Situ     | Quarterly             |                  |                 |                         |                          |
| Nitrogen, Nitrate, Total (as N) | 00620     |                    | 10                 | mg/L    | Grab        | Quarterly             |                  |                 |                         |                          |
| Solids, Total Dissolved (TDS)   | 70295     |                    | 500                | mg/L    | Grab        | Quarterly             |                  |                 |                         |                          |
| Arsenic, Total Recoverable      | 00978     |                    | 10                 | ug/L    | Grab        | Quarterly             |                  |                 |                         |                          |
| Chloride (as Cl)                | 00940     |                    | 250                | mg/L    | Grab        | Quarterly             |                  |                 |                         |                          |
| Cadmium, Total Recoverable      | 01113     |                    | 5                  | ug/L    | Grab        | Quarterly             |                  |                 |                         |                          |
| Chromium, Total Recoverable     | 01118     |                    | 100                | ug/L    | Grab        | Quarterly             |                  |                 |                         |                          |
| Lead, Total Recoverable         | 01114     |                    | 15                 | ug/L    | Grab        | Quarterly             |                  |                 |                         |                          |
| Coliform, Fecal                 | 74055     |                    | 4                  | #/100mL | Grab        | Quarterly             |                  |                 |                         |                          |
| pH                              | 00400     |                    | 6.5-8.5            | s.u.    | In Situ     | Quarterly             |                  |                 |                         |                          |
| Sulfate, Total                  | 00945     |                    | 250                | mg/L    | Grab        | Quarterly             |                  |                 |                         |                          |
| Turbidity                       | 00070     |                    | Report             | NTU     | Grab        | Quarterly             |                  |                 |                         |                          |
| Sodium, Total Recoverable       | 00923     |                    | 160                | mg/L    | Grab        | Quarterly             |                  |                 |                         |                          |
|                                 |           |                    |                    |         |             |                       |                  |                 |                         |                          |
|                                 |           |                    |                    |         |             |                       |                  |                 |                         |                          |

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|---|--|--------------|-------------------|
|   |  |              |                   |

COMMENTS AND EXPLANATION (Reference all attachments here):

# GROUNDWATER MONITORING REPORT - PART D

Facility Name: City of Largo AWWTF  
 Permit Number: FL0026603-013-DW1P/NR  
 County: Pinellas  
 Office: Southwest District

Monitoring Well ID: MWC-12  
 Well Type: Compliance  
 Description: HMW-4  
 Re-submitted DMR: ☐

Report Frequency: Quarterly  
 Program: Domestic

Monitoring Period From: \_\_\_\_\_ To: \_\_\_\_\_ Date Sample Obtained: \_\_\_\_\_  
 Time Sample Obtained: \_\_\_\_\_

Was the well purged before sampling? \_\_\_ Yes \_\_\_ No

| Parameter                       | PARM Code | Sample Measurement | Permit Requirement | Units   | Sample Type | Frequency of Analysis | Detection Limits | Analysis Method | Sampling Equipment Used | Samples Filtered (L/F/N) |
|---------------------------------|-----------|--------------------|--------------------|---------|-------------|-----------------------|------------------|-----------------|-------------------------|--------------------------|
| Water Level Relative to NGVD    | 82545     |                    | Report             | ft      | In Situ     | Quarterly             |                  |                 |                         |                          |
| Nitrogen, Nitrate, Total (as N) | 00620     |                    | 10                 | mg/L    | Grab        | Quarterly             |                  |                 |                         |                          |
| Solids, Total Dissolved (TDS)   | 70295     |                    | 500                | mg/L    | Grab        | Quarterly             |                  |                 |                         |                          |
| Arsenic, Total Recoverable      | 00978     |                    | 10                 | ug/L    | Grab        | Quarterly             |                  |                 |                         |                          |
| Chloride (as Cl)                | 00940     |                    | 250                | mg/L    | Grab        | Quarterly             |                  |                 |                         |                          |
| Cadmium, Total Recoverable      | 01113     |                    | 5                  | ug/L    | Grab        | Quarterly             |                  |                 |                         |                          |
| Chromium, Total Recoverable     | 01118     |                    | 100                | ug/L    | Grab        | Quarterly             |                  |                 |                         |                          |
| Lead, Total Recoverable         | 01114     |                    | 15                 | ug/L    | Grab        | Quarterly             |                  |                 |                         |                          |
| Coliform, Fecal                 | 74055     |                    | 4                  | #/100mL | Grab        | Quarterly             |                  |                 |                         |                          |
| pH                              | 00400     |                    | 6.5-8.5            | s.u.    | In Situ     | Quarterly             |                  |                 |                         |                          |
| Sulfate, Total                  | 00945     |                    | 250                | mg/L    | Grab        | Quarterly             |                  |                 |                         |                          |
| Turbidity                       | 00070     |                    | Report             | NTU     | Grab        | Quarterly             |                  |                 |                         |                          |
| Sodium, Total Recoverable       | 00923     |                    | 160                | mg/L    | Grab        | Quarterly             |                  |                 |                         |                          |
|                                 |           |                    |                    |         |             |                       |                  |                 |                         |                          |
|                                 |           |                    |                    |         |             |                       |                  |                 |                         |                          |

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|---|--|--------------|-------------------|
|   |  |              |                   |

COMMENTS AND EXPLANATION (Reference all attachments here):

# GROUNDWATER MONITORING REPORT - PART D

Facility Name: City of Largo AWWTF  
 Permit Number: FL0026603-013-DW1P/NR  
 County: Pinellas  
 Office: Southwest District

Monitoring Well ID: MWI-07  
 Well Type: Intermediate  
 Description: LMGI-1  
 Re-submitted DMR: ☐

Report Frequency: Quarterly  
 Program: Domestic

Monitoring Period From: \_\_\_\_\_ To: \_\_\_\_\_ Date Sample Obtained: \_\_\_\_\_

Time Sample Obtained: \_\_\_\_\_

Was the well purged before sampling? \_\_\_ Yes \_\_\_ No

| Parameter                       | PARM Code | Sample Measurement | Permit Requirement | Units   | Sample Type | Frequency of Analysis | Detection Limits | Analysis Method | Sampling Equipment Used | Samples Filtered (L/F/N) |
|---------------------------------|-----------|--------------------|--------------------|---------|-------------|-----------------------|------------------|-----------------|-------------------------|--------------------------|
| Water Level Relative to NGVD    | 82545     |                    | Report             | ft      | In Situ     | Quarterly             |                  |                 |                         |                          |
| Nitrogen, Nitrate, Total (as N) | 00620     |                    | Report             | mg/L    | Grab        | Quarterly             |                  |                 |                         |                          |
| Solids, Total Dissolved (TDS)   | 70295     |                    | Report             | mg/L    | Grab        | Quarterly             |                  |                 |                         |                          |
| Arsenic, Total Recoverable      | 00978     |                    | Report             | ug/L    | Grab        | Quarterly             |                  |                 |                         |                          |
| Chloride (as Cl)                | 00940     |                    | Report             | mg/L    | Grab        | Quarterly             |                  |                 |                         |                          |
| Cadmium, Total Recoverable      | 01113     |                    | Report             | ug/L    | Grab        | Quarterly             |                  |                 |                         |                          |
| Chromium, Total Recoverable     | 01118     |                    | Report             | ug/L    | Grab        | Quarterly             |                  |                 |                         |                          |
| Lead, Total Recoverable         | 01114     |                    | Report             | ug/L    | Grab        | Quarterly             |                  |                 |                         |                          |
| Coliform, Fecal                 | 74055     |                    | Report             | #/100mL | Grab        | Quarterly             |                  |                 |                         |                          |
| pH                              | 00400     |                    | Report             | s.u.    | In Situ     | Quarterly             |                  |                 |                         |                          |
| Sulfate, Total                  | 00945     |                    | Report             | mg/L    | Grab        | Quarterly             |                  |                 |                         |                          |
| Turbidity                       | 00070     |                    | Report             | NTU     | Grab        | Quarterly             |                  |                 |                         |                          |
| Sodium, Total Recoverable       | 00923     |                    | Report             | mg/L    | Grab        | Quarterly             |                  |                 |                         |                          |
|                                 |           |                    |                    |         |             |                       |                  |                 |                         |                          |
|                                 |           |                    |                    |         |             |                       |                  |                 |                         |                          |

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

| NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | TELEPHONE NO | DATE (mm/dd/yyyy) |
|---|--|--------------|-------------------|
|   |  |              |                   |

COMMENTS AND EXPLANATION (Reference all attachments here):

# GROUNDWATER MONITORING REPORT - PART D

Facility Name: City of Largo AWWTF  
 Permit Number: FL0026603-013-DW1P/NR  
 County: Pinellas  
 Office: Southwest District

Monitoring Well ID: MWI-08  
 Well Type: Intermediate  
 Description: HMW-3  
 Re-submitted DMR: ☐

Report Frequency: Quarterly  
 Program: Domestic

Monitoring Period From: \_\_\_\_\_ To: \_\_\_\_\_ Date Sample Obtained: \_\_\_\_\_  
 Time Sample Obtained: \_\_\_\_\_

Was the well purged before sampling? \_\_\_ Yes \_\_\_ No

| Parameter                       | PARM Code | Sample Measurement | Permit Requirement | Units   | Sample Type | Frequency of Analysis | Detection Limits | Analysis Method | Sampling Equipment Used | Samples Filtered (L/F/N) |
|---------------------------------|-----------|--------------------|--------------------|---------|-------------|-----------------------|------------------|-----------------|-------------------------|--------------------------|
| Water Level Relative to NGVD    | 82545     |                    | Report             | ft      | In Situ     | Quarterly             |                  |                 |                         |                          |
| Nitrogen, Nitrate, Total (as N) | 00620     |                    | Report             | mg/L    | Grab        | Quarterly             |                  |                 |                         |                          |
| Solids, Total Dissolved (TDS)   | 70295     |                    | Report             | mg/L    | Grab        | Quarterly             |                  |                 |                         |                          |
| Arsenic, Total Recoverable      | 00978     |                    | Report             | ug/L    | Grab        | Quarterly             |                  |                 |                         |                          |
| Chloride (as Cl)                | 00940     |                    | Report             | mg/L    | Grab        | Quarterly             |                  |                 |                         |                          |
| Cadmium, Total Recoverable      | 01113     |                    | Report             | ug/L    | Grab        | Quarterly             |                  |                 |                         |                          |
| Chromium, Total Recoverable     | 01118     |                    | Report             | ug/L    | Grab        | Quarterly             |                  |                 |                         |                          |
| Lead, Total Recoverable         | 01114     |                    | Report             | ug/L    | Grab        | Quarterly             |                  |                 |                         |                          |
| Coliform, Fecal                 | 74055     |                    | Report             | #/100mL | Grab        | Quarterly             |                  |                 |                         |                          |
| pH                              | 00400     |                    | Report             | s.u.    | In Situ     | Quarterly             |                  |                 |                         |                          |
| Sulfate, Total                  | 00945     |                    | Report             | mg/L    | Grab        | Quarterly             |                  |                 |                         |                          |
| Turbidity                       | 00070     |                    | Report             | NTU     | Grab        | Quarterly             |                  |                 |                         |                          |
| Sodium, Total Recoverable       | 00923     |                    | Report             | mg/L    | Grab        | Quarterly             |                  |                 |                         |                          |
|                                 |           |                    |                    |         |             |                       |                  |                 |                         |                          |
|                                 |           |                    |                    |         |             |                       |                  |                 |                         |                          |

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

| NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | TELEPHONE NO | DATE (mm/dd/yyyy) |
|---|--|--------------|-------------------|
|   |  |              |                   |

COMMENTS AND EXPLANATION (Reference all attachments here):

## INSTRUCTIONS FOR COMPLETING THE WASTEWATER DISCHARGE MONITORING REPORT

Read these instructions before completing the DMR. Hard copies and/or electronic copies of the required parts of the DMR were provided with the permit. All required information shall be completed in full and typed or printed in ink. A signed, original DMR shall be mailed to the address printed on the DMR by the 28<sup>th</sup> of the month following the monitoring period. Facilities who submit their DMR(s) electronically through eDMR do not need to submit a hardcopy DMR. The DMR shall not be submitted before the end of the monitoring period.

The DMR consists of three parts--A, B, and D--all of which may or may not be applicable to every facility. Facilities may have one or more Part A's for reporting effluent or reclaimed water data. All domestic wastewater facilities will have a Part B for reporting daily sample results. Part D is used for reporting ground water monitoring well data.

When results are not available, the following codes should be used on parts A and D of the DMR and an explanation provided where appropriate. Note: Codes used on Part B for raw data are different.

| CODE | DESCRIPTION/INSTRUCTIONS             |
|------|--------------------------------------|
| ANC  | Analysis not conducted.              |
| DRY  | Dry Well                             |
| FLD  | Flood disaster.                      |
| IFS  | Insufficient flow for sampling.      |
| LS   | Lost sample.                         |
| MNR  | Monitoring not required this period. |

| CODE | DESCRIPTION/INSTRUCTIONS  |
|------|---|
| NOD  | No discharge from/to site.  |
| OPS  | Operations were shutdown so no sample could be taken.                         |
| OTH  | Other. Please enter an explanation of why monitoring data were not available. |
| SEF  | Sampling equipment failure.   |

When reporting analytical results that fall below a laboratory's reported method detection limits or practical quantification limits, the following instructions should be used, unless indicated otherwise in the permit or on the DMR:

1. Results greater than or equal to the PQL shall be reported as the measured quantity.
2. Results less than the PQL and greater than or equal to the MDL shall be reported as the laboratory's MDL value. These values shall be deemed equal to the MDL when necessary to calculate an average for that parameter and when determining compliance with permit limits.
3. Results less than the MDL shall be reported by entering a less than sign ("<") followed by the laboratory's MDL value, e.g. < 0.001. A value of one-half the MDL or one-half the effluent limit, whichever is lower, shall be used for that sample when necessary to calculate an average for that parameter. Values less than the MDL are considered to demonstrate compliance with an effluent limitation.

### PART A -DISCHARGE MONITORING REPORT (DMR)

Part A of the DMR is comprised of one or more sections, each having its own header information. Facility information is preprinted in the header as well as the monitoring group number, whether the limits and monitoring requirements are interim or final, and the required submittal frequency (e.g. monthly, annually, quarterly, etc.). Submit Part A based on the required reporting frequency in the header and the instructions shown in the permit. The following should be completed by the permittee or authorized representative:

**Resubmitted DMR:** Check this box if this DMR is being re-submitted because there was information missing from or information that needed correction on a previously submitted DMR. The information that is being revised should be clearly noted on the re-submitted DMR (e.g. highlight, circle, etc.)

**No Discharge From Site:** Check this box if no discharge occurs and, as a result, there are no data or codes to be entered for all of the parameters on the DMR for the entire monitoring group number; however, if the monitoring group includes other monitoring locations (e.g., influent sampling), the "NOD" code should be used to individually denote those parameters for which there was no discharge.

**Monitoring Period:** Enter the month, day, and year for the first and last day of the monitoring period (i.e. the month, the quarter, the year, etc.) during which the data on this report were collected and analyzed.

**Sample Measurement:** Before filling in sample measurements in the table, check to see that the data collected correspond to the limit indicated on the DMR (i.e. interim or final) and that the data correspond to the monitoring group number in the header. Enter the data or calculated results for each parameter on this row in the non-shaded area above the limit. Be sure the result being entered corresponds to the appropriate statistical base code (e.g. annual average, monthly average, single sample maximum, etc.) and units. Data qualifier codes are not to be reported on Part A.

**No. Ex.:** Enter the number of sample measurements during the monitoring period that exceeded the permit limit for each parameter in the non-shaded area. If none, enter zero.

**Frequency of Analysis:** The shaded areas in this column contain the minimum number of times the measurement is required to be made according to the permit. Enter the actual number of times the measurement was made in the space above the shaded area.

**Sample Type:** The shaded areas in this column contain the type of sample (e.g. grab, composite, continuous) required by the permit. Enter the actual sample type that was taken in the space above the shaded area.

**Signature:** This report must be signed in accordance with Rule 62-620.305, F.A.C. Type or print the name and title of the signing official. Include the telephone number where the official may be reached in the event there are questions concerning this report. Enter the date when the report is signed.

**Comment and Explanation of Any Violations:** Use this area to explain any exceedances, any upset or by-pass events, or other items which require explanation. If more space is needed, reference all attachments in this area.



## PART B - DAILY SAMPLE RESULTS

**Monitoring Period:** Enter the month, day, and year for the first and last day of the monitoring period (i.e. the month, the quarter, the year, etc.) during which the data on this report were collected and analyzed.

**Daily Monitoring Results:** Transfer all analytical data from your facility's laboratory or a contract laboratory's data sheets for all day(s) that samples were collected. Record the data in the units indicated. Table 1 in Chapter 62-160, F.A.C., contains a complete list of all the data qualifier codes that your laboratory may use when reporting analytical results. However, when transferring numerical results onto Part B of the DMR, only the following data qualifier codes should be used and an explanation provided where appropriate.

| CODE | DESCRIPTION/INSTRUCTIONS  |
|------|---|
| <    | The compound was analyzed for but not detected.                             |
| A    | Value reported is the mean (average) of two or more determinations.         |
| J    | Estimated value, value not accurate.  |
| Q    | Sample held beyond the actual holding time.                                 |
| Y    | Laboratory analysis was from an unpreserved or improperly preserved sample. |

To calculate the monthly average, add each reported value to get a total. For flow, divide this total by the number of days in the month. For all other parameters, divide the total by the number of observations.

**Plant Staffing:** List the name, certificate number, and class of all state certified operators operating the facility during the monitoring period. Use additional sheets as necessary.

## PART D - GROUND WATER MONITORING REPORT

**Monitoring Period:** Enter the month, day, and year for the first and last day of the monitoring period (i.e. the month, the quarter, the year, etc.) during which the data on this report were collected and analyzed.

**Date Sample Obtained:** Enter the date the sample was taken. Also, check whether or not the well was purged before sampling.

**Time Sample Obtained:** Enter the time the sample was taken.

**Sample Measurement:** Record the results of the analysis. If the result was below the minimum detection limit, indicate that. Data qualifier codes are not to be reported on Part D.

**Detection Limits:** Record the detection limits of the analytical methods used.

**Analysis Method:** Indicate the analytical method used. Record the method number from Chapter 62-160 or Chapter 62-601, F.A.C., or from other sources.

**Sampling Equipment Used:** Indicate the procedure used to collect the sample (e.g. airlift, bucket/bailer, centrifugal pump, etc.)

**Samples Filtered:** Indicate whether the sample obtained was filtered by laboratory (L), filtered in field (F), or unfiltered (N).

**Signature:** This report must be signed in accordance with Rule 62-620.305, F.A.C. Type or print the name and title of the signing official. Include the telephone number where the official may be reached in the event there are questions concerning this report. Enter the date when the report is signed.

**Comments and Explanation:** Use this space to make any comments on or explanations of results that are unexpected. If more space is needed, reference all attachments in this area.

## SPECIAL INSTRUCTIONS FOR LIMITED WET WEATHER DISCHARGES

**Flow (Limited Wet Weather Discharge):** Enter the measured average flow rate during the period of discharge or divide gallons discharged by duration of discharge (converted into days). Record in million gallons per day (MGD).

**Flow (Upstream):** Enter the average flow rate in the receiving stream upstream from the point of discharge for the period of discharge. The average flow rate can be calculated based on two measurements; one made at the start and one made at the end of the discharge period. Measurements are to be made at the upstream gauging station described in the permit.

**Actual Stream Dilution Ratio:** To calculate the Actual Stream Dilution Ratio, divide the average upstream flow rate by the average discharge flow rate. Enter the Actual Stream Dilution Ratio accurate to the nearest 0.1.

**No. of Days the SDF > Stream Dilution Ratio:** For each day of discharge, compare the minimum Stream Dilution Factor (SDF) from the permit to the calculated Stream Dilution Ratio. On Part B of the DMR, enter an asterisk (\*) if the SDF is greater than the Stream Dilution Ratio on any day of discharge. On Part A of the DMR, add up the days with an "\*" and record the total number of days the Stream Dilution Factor was greater than the Stream Dilution Ratio.

**CBOD<sub>5</sub>:** Enter the average CBOD<sub>5</sub> of the reclaimed water discharged during the period shown in duration of discharge.

**TKN:** Enter the average TKN of the reclaimed water discharged during the period shown in duration of discharge.

**Actual Rainfall:** Enter the actual rainfall for each day on Part B. Enter the actual cumulative rainfall to date for this calendar year and the actual total monthly rainfall on Part A. The cumulative rainfall to date for this calendar year is the total amount of rain, in inches, that has been recorded since January 1 of the current year through the month for which this DMR contains data.

**Rainfall During Average Rainfall Year:** On Part A, enter the total monthly rainfall during the average rainfall year and the cumulative rainfall for the average rainfall year. The cumulative rainfall for the average rainfall year is the amount of rain, in inches, which fell during the average rainfall year from January through the month for which this DMR contains data.

**No. of Days LWWD Activated During Calendar Year:** Enter the cumulative number of days that the limited wet weather discharge was activated since January 1 of the current year.

**Reason for Discharge:** Attach to the DMR a brief explanation of the factors contributing to the need to activate the limited wet weather discharge.

**FACT SHEET  
FOR  
STATE OF FLORIDA DOMESTIC WASTEWATER FACILITY PERMIT**

PERMIT NUMBER: FL0026603-013 (Major)

FACILITY NAME: City of Largo AWWTF

FACILITY LOCATION: 5100 150<sup>th</sup> Ave. N., Clearwater, FL 33760-3502  
Pinellas County

NAME OF PERMITTEE: City of Largo.

PERMIT WRITER: Astrid Flores Thiebaud

1. SUMMARY OF APPLICATION

a. Chronology of Application

Application Number: FL0026603-013-DW1P/NR

Application Submittal Date: April 28, 2017

b. Type of Facility

Domestic Wastewater Treatment Plant

Ownership Type: Municipal

SIC Code: 4952

c. Facility Capacity

Existing Permitted Capacity: 18.0 mgd Annual Average Daily Flow

Proposed Increase in Permitted Capacity: 0.0 mgd Annual Average Daily Flow

Proposed Total Permitted Capacity: 18.0 mgd Annual Average Daily Flow

d. Description of Wastewater Treatment

An existing 18.0 MGD annual average daily flow (AADF) Type I domestic advanced wastewater treatment facility, using a high rate three-stage biological nutrient removal process, commonly referred as the A2O process. The overall plant consists of fine screens with screenings compactors, two 21.5 mgd grit removal units, three 200 gpm grit pumps (two duty, one spare), two grit washer separators, and flow splitting weirs and gates to isolate equipment, split flow equally to the three process trains, and a new bio-trickling filter odor control system, 5.0 MG flow equalization tank, three primary clarifiers of 701,250 gallons total volume and 7,200 square feet of total surface area, three anaerobic basins of 610,250 gallons total volume, three anoxic basins of 395,700 gallons total volume, three aerobic basins of 2,267,600 gallons total volume, six final clarifiers of 2,933,000 gallons total volume and a total surface area of 30,160 square feet, two disc filter of 12.0 MGD total volume, nine deep bed denitrification filters of 5,400 square feet total surface area, a 37,600 gallon clearwell, one chlorine contact chambers of 502,000 gallons, one peracetic acid contact chamber of 386,000 gallons and a 71,200-gallon dechlorination basin. This facility is operated to provide advanced wastewater treatment (AWT) and high-level disinfected reclaimed water to a master reuse system

within the City of Largo, the Carillon area and within the City of St. Petersburg, or to discharge effluent through an outfall to the stormwater system within Feather Sound and thence to Tampa Bay.

The on-site biosolids treatment facility has a capacity of 16 dry tons per day. The biosolids treatment facility consists of four 955,000-gallon aerobic digesters for a total volume of 3,820,000 gallons, 50-ft diameter thickener, double disc diaphragm thickened sludge pumps, sludge dewatering using belt-filter presses and a heat drying process for palletization producing a marketable bulking agent used in fertilizer.

e. Description of Effluent Disposal and Land Application Sites (as reported by applicant)

**Surface Water Discharge D-001:** An existing 15.0 MGD annual average daily flow (AADF) discharge into the Class III Fresh waters of Roosevelt Basin (Feather Sound), WBID 1624A. Roosevelt Basin flows into WBID 1558H Class II, Marine waters of Old Tampa Bay at Discharge Location D-001, which is at a depth of approximately 2 feet. The point of discharge is located approximately at latitude 27° 53' 52" N, longitude 82° 40' 13" W.

**Land Application R-001:** An existing 12.0 MGD AADF permitted capacity slow-rate public access system (R-001). The Master Reuse System consists of the limits of the City of Largo and including the Carillon area within the City of St. Petersburg and features three reclaimed water storage tanks (5 MG at Starkey Road, 3 MG at Southwest and 10 MG at the WWTF).

2. SUMMARY OF SURFACE WATER DISCHARGE

1. This facility does not have a new or expanded discharge to surface waters.
2. The Department does not anticipate adverse impacts on threatened or endangered species as a result of permit issuance.
3. Peracetic Acid (PAA) alternative disinfection system is providing a flow balanced effluent discharge combined with effluent from the chlorine disinfection system to outfall D-001. A minimum of 3.0 mg/L total peracetic acid dosage must be maintained for a minimum contact time of 15 minutes based on peak hourly flow.
4. The following exceedances were noted during the previous permit cycle:

| Date       | Parameters               | Value | Limit | Units   |
|------------|--------------------------|-------|-------|---------|
| 10/31/2016 | Chlorine, Total Residual | 0.4   | 1.0   | MG/L    |
| 9/30/2016  | Chlorine, Total Residual | 0.4   | 1.0   | MG/L    |
| 7/31/2016  | Chlorine, Total Residual | 0.8   | 1.0   | MG/L    |
| 6/30/2016  | Chlorine, Total Residual | 0.9   | 1.0   | MG/L    |
| 3/31/2016  | Chlorine, Total Residual | 0.1   | 1.0   | MG/L    |
| 10/31/2014 | Chlorine, Total Residual | 2     | 0.01  | MG/L    |
| 12/31/2016 | Coliform, Fecal          | 48    | 25.0  | #/100ML |
| 8/31/2016  | Coliform, Fecal          | 150   | 25.0  | #/100ML |
| 5/31/2016  | Coliform, Fecal          | 88    | 25.0  | #/100ML |
| 3/31/2016  | Coliform, Fecal          | 19990 | 25.0  | #/100ML |

|            |  |      |      |         |
|------------|--|------|------|---------|
| 12/31/2015 | Coliform, Fecal                        | 34   | 25.0 | #/100ML |
| 8/31/2015  | Coliform, Fecal                        | 58   | 25.0 | #/100ML |
| 3/31/2017  | Coliform, Fecal, % less than detection | 52   | 75.0 | PERCENT |
| 2/28/2017  | Coliform, Fecal, % less than detection | 46   | 75.0 | PERCENT |
| 11/30/2016 | Coliform, Fecal, % less than detection | 70   | 75.0 | PERCENT |
| 10/31/2016 | Coliform, Fecal, % less than detection | 68   | 75.0 | PERCENT |
| 9/30/2016  | Coliform, Fecal, % less than detection | 47   | 75.0 | PERCENT |
| 8/31/2016  | Coliform, Fecal, % less than detection | 65   | 75.0 | PERCENT |
| 6/30/2016  | Coliform, Fecal, % less than detection | 57   | 75.0 | PERCENT |
| 5/31/2016  | Coliform, Fecal, % less than detection | 55   | 75.0 | PERCENT |
| 4/30/2016  | Coliform, Fecal, % less than detection | 53   | 75.0 | PERCENT |
| 3/31/2016  | Coliform, Fecal, % less than detection | 48   | 75.0 | PERCENT |
| 1/31/2016  | Coliform, Fecal, % less than detection | 74   | 75.0 | PERCENT |
| 12/31/2015 | Coliform, Fecal, % less than detection | 74   | 75.0 | PERCENT |
| 8/31/2015  | Coliform, Fecal, % less than detection | 58   | 75.0 | PERCENT |
| 9/30/2013  | Coliform, Fecal, % less than detection | 73   | 75   | PERCENT |
| 8/31/2013  | Coliform, Fecal, % less than detection | 61   | 75   | PERCENT |
| 7/31/2013  | Coliform, Fecal, % less than detection | 74.2 | 75   | PERCENT |
| 6/30/2013  | Coliform, Fecal, % less than detection | 73   | 75   | PERCENT |
| 11/30/2016 | Cyanide, Total (as CN)                 | 5.9  | 5.2  | ug/L    |
| 3/31/2013  | Cyanide, Total (as CN)                 | 6.8  | 5.2  | ug/L    |
| 11/30/2013 | Dichlorobromomethane                   | 30.4 | 30.0 | UG/L    |
| 10/31/2013 | Dichlorobromomethane                   | 31.2 | 30.0 | UG/L    |
| 9/30/2013  | Dichlorobromomethane                   | 30.5 | 30.0 | UG/L    |
| 8/31/2013  | Dichlorobromomethane                   | 30.5 | 30.0 | UG/L    |
| 11/30/2012 | Dichlorobromomethane                   | 26.1 | 22.0 | UG/L    |
| 10/31/2012 | Dichlorobromomethane                   | 25   | 22.0 | UG/L    |
| 12/31/2016 | Nitrogen, Total                        | 6.9  | 6.0  | MG/L    |
| 10/31/2016 | Nitrogen, Total                        | 7.48 | 6.0  | MG/L    |
| 6/30/2016  | Nitrogen, Total                        | 7.97 | 6.0  | MG/L    |

|            |                 |      |      |      |
|------------|-----------------|------|------|------|
| 8/31/2015  | Nitrogen, Total | 8.22 | 6.0  | MG/L |
| 5/31/2016  | Nitrogen, Total | 3.89 | 3.75 | MG/L |
| 12/31/2016 | Nitrogen, Total | 3.21 | 3.0  | MG/L |
| 01/31/2017 | Nitrogen, Total | 3.12 | 3.0  | MG/L |
| 12/31/2016 | Nitrogen, Total | 3.21 | 3.0  | MG/L |
| 11/30/2016 | Nitrogen, Total | 3.23 | 3.0  | MG/L |
| 10/31/2016 | Nitrogen, Total | 3.13 | 3.0  | MG/L |
| 9/30/2016  | Nitrogen, Total | 3.33 | 3.0  | MG/L |
| 8/31/2016  | Nitrogen, Total | 3.31 | 3.0  | MG/L |

3. BASIS FOR PERMIT LIMITATIONS AND MONITORING REQUIREMENTS

- a. This facility is authorized to discharge effluent from Outfall D-001 to Roosevelt Basin (Feather Sound), (WBID 1624A) then to Old Tampa Bay based on the following:

| Parameter                                   | Units   | Max/<br>Min | Limit  | Statistical Basis | Rationale                                   |
|---|---------|-------------|--------|-------------------|---|
| Flow  | MGD     | Max         | 15.0   | Annual Average    | 62-600.700(2)(b) FAC                        |
| Flow  | MGD     | Max         | Report | Monthly Average   | 62-600.700(2)(b) FAC                        |
| BOD, Carbonaceous 5 day, 20C                | mg/L    | Max         | 5.0    | Annual Average    | 403.086(4)(a)1. FS & 62-600.740(2)(b)1. FAC |
| BOD, Carbonaceous 5 day, 20C                | mg/L    | Max         | 6.25   | Monthly Average   | 62-600.740(2)(b)2. FAC                      |
| BOD, Carbonaceous 5 day, 20C                | mg/L    | Max         | 7.5    | Weekly Average    | 62-600.740(2)(b)3. FAC                      |
| BOD, Carbonaceous 5 day, 20C                | mg/L    | Max         | 10.0   | Single Sample     | 62-600.740(2)(b)4. FAC                      |
| Solids, Total Suspended                     | mg/L    | Max         | 5.0    | Annual Average    | 62-600.740(2)(b)1. FAC                      |
| Solids, Total Suspended                     | mg/L    | Max         | 6.25   | Monthly Average   | 62-600.740(2)(b)2. FAC                      |
| Solids, Total Suspended                     | mg/L    | Max         | 7.5    | Weekly Average    | 62-600.740(2)(b)3. FAC                      |
| Solids, Total Suspended                     | mg/L    | Max         | 10.0   | Single Sample     | 62-600.740(2)(b)4. FAC                      |
| Nitrogen, Total                             | mg/L    | Max         | 3.0    | Annual Average    | 62-600.740(2)(b)1 FAC                       |
| Nitrogen, Total                             | mg/L    | Max         | 3.75   | Monthly Average   | 62-600.740(2)(b)2 FAC                       |
| Nitrogen, Total                             | mg/L    | Max         | 4.5    | Weekly Average    | 62-600.740(2)(b)3 FAC                       |
| Nitrogen, Total                             | mg/L    | Max         | 6.0    | Single Sample     | 62-600.740(2)(b)4 FAC                       |
| Phosphorus, Total (as P)                    | mg/L    | Max         | 1.0    | Annual Average    | 62-600.740(2)(b)1 FAC                       |
| Phosphorus, Total (as P)                    | mg/L    | Max         | 1.25   | Monthly Average   | 62-600.740(2)(b)2 FAC                       |
| Phosphorus, Total (as P)                    | mg/L    | Max         | 1.5    | Weekly Average    | 62-600.740(2)(b)3 FAC                       |
| Phosphorus, Total (as P)                    | mg/L    | Max         | 2.0    | Single Sample     | 62-600.740(2)(b)4 FAC                       |
| Solids, Total Suspended                     | mg/L    | Max         | 5.0    | Single Sample     | 62-600.440(6)(a)3. FAC                      |
| pH  | s.u.    | Min         | 6.0    | Single Sample     | 62-600.445 FAC                              |
| pH  | s.u.    | Max         | 8.5    | Single Sample     | 62-600.445 FAC                              |
| Coliform, Fecal, % less than detection      | percent | Min         | 75     | Monthly Minimum   | 62-600.440(5)(f)1. FAC                      |
| Coliform, Fecal                             | #/100mL | Max         | 25     | Single Sample     | 62-600.440(6)(a)2. FAC                      |
| Peracetic Acid                              | mg/L    | Min         | 3.0    | Single Sample     | 62-600.440(2) FAC                           |
| Chlorine, Total Residual (For Disinfection) | mg/L    | Max         | 0.01   | Single Sample     |   |

| Parameter   | Units   | Max/<br>Min | Limit  | Statistical Basis | Rationale  |
|---|---------|-------------|--------|-------------------|--|
| Oxygen, Dissolved (DO)  | mg/L    | Min         | 5.0    | Single Sample     | 62-600.740(1)(b)2 FAC  |
| Cyanide, Total (as CN)  | ug/L    | Max         | 5.2    | Single Sample     |  |
| Dichlorobromomethane  | ug/L    | Max         | 22.0   | Annual Average    | 62-302.530(35)(b)5 FAC   |
| Dichlorobromomethane  | ug/L    | Max         | Report | Single Sample     | 62-302.530(35)(b)5 FAC   |
| Nitrogen, Total   | ton/mth | Max         | Report | Monthly Total     | Final Order Water Quality Based Effluent Limitations for Tampa Bay |
| Nitrogen, Total   | ton/yr  | Max         | 28.5   | Annual Total      | Final Order Water Quality Based Effluent Limitations for Tampa Bay |
| Nitrogen, Total   | ton/yr  | Max         | 19.0   | 5 Year Average    | Final Order Water Quality Based Effluent Limitations for Tampa Bay |
| Chronic Whole Effluent Toxicity, 7-Day IC25 (Ceriodaphnia dubia)  | percent | Min         | 100    | Single Sample     | 62-302.530(20) & (62) FAC and 62-4.241(1)(b) FAC                   |
| Chronic Whole Effluent Toxicity, 7-Day IC25 (Pimephales promelas) | percent | Min         | 100    | Single Sample     | 62-302.530(20) & (62) FAC and 62-4.241(1)(b) FAC                   |

- (1) Technology based effluent limitations (TBELs) are minimum waste treatment requirements based on treatment technologies for reducing discharges of pollutants into receiving waters. TBELs are established, for domestic wastewater facilities, by state rule and statute in Chapters 62-600, 62-610, 62-611, 62-620, F.A.C., and Section 403.086, F.S.; they may also be developed in accordance with best professional judgment. TBELs are included in the permit for the following pollutants of concern:

| Parameter                | Units   | Monitoring Location | Monitoring Group |
|--------------------------|---------|---------------------|------------------|
| Flow                     | MGD     | FLW-02              | D-001            |
| Nitrogen, Total          | mg/L    | EFA-01              | D-001            |
| Nitrogen, Total          | mg/L    | EFA-01              | D-001            |
| Phosphorus, Total (as P) | mg/L    | EFA-01              | D-001            |
| Phosphorus, Total (as P) | mg/L    | EFA-01              | D-001            |
| Solids, Total Suspended  | mg/L    | EFB-01              | D-001            |
| pH                       | s.u.    | EFA-01              | D-001            |
| Nitrogen, Total          | ton/mth | EFD-01              | D-001            |
| Nitrogen, Total          | ton/yr  | EFD-01              | D-001            |

- (2) Water quality based effluent limitations (WQBELs) are effluent limitations, which may be more stringent than a technology based effluent limitation, that have been determined necessary by the Department to ensure that water quality standards in a receiving body of water will not be violated. WQBELs are developed in accordance with Chapter 62-650, F.A.C., and are based on the characteristics of the discharge, the receiving water characteristics, and the criteria and standards in Chapters 62-4, 62-302, and the 62-600 series, F.A.C.; they may also be developed based on Total Maximum Daily Load (TMDL) allocations adopted in Chapter 62-304, F.A.C., or allocations developed as part of a Basin Management Action Plan (BMAP) or a Reasonable Assurance Plan (RAP). WQBELs are included in the permit for the following pollutants of concern:

| Parameter                                     | Units   | Monitoring Location | Monitoring Group |
|---|---------|---------------------|------------------|
| BOD, Carbonaceous 5 day, 20C                  | mg/L    | EFA-01              | D-001            |
| BOD, Carbonaceous 5 day, 20C                  | mg/L    | EFA-01              | D-001            |
| Solids, Total Suspended                       | mg/L    | EFA-01              | D-001            |
| Solids, Total Suspended                       | mg/L    | EFA-01              | D-001            |
| Coliform, Fecal, % less than detection        | percent | EFA-01              | D-001            |
| Coliform, Fecal                               | #/100mL | EFA-01              | D-001            |
| Peracetic Acid                                | mg/L    | EFA-02              | D-001            |
| Chlorine, Total Residual (For Dichlorination) | mg/L    | EFD-01              | D-001            |
| Oxygen, Dissolved (DO)                        | mg/L    | EFD-01              | D-001            |
| Cyanide, Total (as CN)                        | ug/L    | EFD-01              | D-001            |
| Dichlorobromomethane                          | ug/L    | EFD-01              | D-001            |

- (3) Pollutants of concern were identified for WQBEL development based on an evaluation of all available information, including a characterization of the pollutants that may be discharged, fifth year inspection data, the sources of pollutants, existing controls on pollutants, available dilution, background pollutant levels in the receiving waters, and the toxicity of pollutants.
- (4) According to FS 403.086, this facility is required to meet advanced waste water treatment standards for BOD of 5 mg/L, TSS of 5 mg/L, Total Nitrogen expressed as N of 3 mg/L, and Total Phosphorus, expressed as P of 1 mg/L.
- (5) Effluent limitations are based on a Level I WQBEL developed by district staff and available in the district permit files. Additionally, effluent limitations are based on Rule 62-302, F.A.C.-Class III Fresh Standards, Rule 62-600, F.A.C. and 403.086, F.S.
- (6) Effluent from Outfall D-001 discharges into the Class III Fresh waters of Roosevelt Basin, WBID 1624A. Roosevelt Basin flows into WBID 1558H Class II, Marine waters of Old Tampa Bay. Downstream protection was considered in addition to the immediate receiving waters.
- (7) This facility has a load allocation for total nitrogen from the Final Order Adopting Water Quality Based Effluent Limits (WQBEL) for Point Source Discharges to the Tampa Bay Watershed, dated November 16, 2010. Load allocations in the WQBEL are supported by the Final 2009 Reasonable Assurance Addendum: Allocation & Assessment Report, January 22, 2010. the Total Maximum Daily Load for Total Nitrogen shall be calculated from the monthly average Total Nitrogen concentrations. The Total Nitrogen loading shall be calculated as a 12-month rolling total and shall not exceed 28.5 tons/year and the five-year average of the yearly totals shall not exceed 19.0 tons/year for the total load from the City of Largo FL0026603. The City of Largo WWTF shall report the calculated loading to Outfall D-001 from the City of Largo WWTF only.
- (8) The permit requires sampling for total nitrogen and total phosphorus, with permit limits that are established by Florida Statute (403.086, F.S.) and Rule 62-600.740, F.A.C. Total nitrogen and total phosphorus concentration limits remain the same as in the previous permit. There is no increase in permitted surface water discharge capacity for this facility, therefore no increase in nutrient loading is anticipated.
- (9) Unless otherwise noted, effluent limitations were developed by applying water quality criteria at the end of pipe.
- (10) This facility has provided reasonable assurance that the discharge will not adversely affect the designated use of the receiving water. Effluent characterization of the discharge, historical discharge monitoring results, inspection sampling data, flow information and effluent characterizations of existing discharges to the receiving body, water quality data for the receiving body have been evaluated in accordance with the Department's reasonable assurance procedures to ensure that no limits other than those included in this permit are needed to maintain Florida water

quality standards. The technical and scientific work that was conducted in developing the effluent permit limitations is

(11) The receiving water body for this facility is not listed on the 303(d) list.

(12) The facility's pretreatment program requirements are included in the South County Regional AWWTF permit issued by the Department under Permit Number FL0028061. The existing Industrial Pretreatment Plan incorporates Mercury minimization plan requirements, which will continue under issuance of this permit. South County Regional AWWTF Permit condition VII.6 requires that the Mercury minimization plan components of the industrial pretreatment program to be updated as needed. This addresses the statewide TMDL requirements of the statewide TMDL for mercury.

(13) Chronic Toxicity will continue to be monitored on a once every three months basis and will contain a chronic whole effluent toxicity endpoint of 25 percent inhibition concentration (IC25), according to Rule 62-620.620(3)(g), FAC.

b. This facility is authorized to direct reclaimed water to Reuse System R-001, a slow-rate public access system, based on the following:

| Parameter   | Units        | Max/<br>Min | Limit  | Statistical Basis | Rationale  |
|---|--------------|-------------|--------|-------------------|--|
| Flow  | MGD          | Max         | 12.0   | Annual Average    | 62-600.700(2)(b) & 62-610.810(5) FAC                 |
| Flow  | MGD          | Max         | Report | Monthly Average   | 62-600.700(2)(b) & 62-610.810(5) FAC                 |
| BOD, Carbonaceous<br>5 day, 20C                   | mg/L         | Max         | 20.0   | Annual Average    | 62-610.460 & 62-600.420(3)(a)1. FAC                  |
| BOD, Carbonaceous<br>5 day, 20C                   | mg/L         | Max         | 30.0   | Monthly Average   | 62-610.460 & 62-600.420(3)(a)2. FAC                  |
|   |              | Max         | 45.0   | Weekly Average    | 62-610.460 & 62-600.420(3)(a)3. FAC                  |
|   |              | Max         | 60.0   | Single Sample     | 62-610.460 & 62-600.420(3)(a)4. FAC                  |
| Solids, Total<br>Suspended                        | mg/L         | Max         | 5.0    | Single Sample     | 62-610.460(1) & 62-600.440(6)(a)3. FAC               |
| pH  | s.u.         | Min         | 6.0    | Single Sample     | 62-600.445 FAC                                       |
|   |              | Max         | 8.5    | Single Sample     | 62-600.445 FAC                                       |
| Coliform, Fecal, %<br>less than detection         | percent      | Min         | 75     | Monthly Total     | 62-610.460 & 62-600.440(6)(a)1. FAC                  |
| Coliform, Fecal                                   | #/100mL      | Max         | 25     | Single Sample     | 62-610.460 & 62-600.440(6)(a)2. FAC                  |
| Chlorine, Total<br>Residual (For<br>Disinfection) | mg/L         | Min         | 1.0    | Single Sample     | 62-600.440(6)(b), 62-610.460(2), & 62-610.463(2) FAC |
| Turbidity   | NTU          | Max         | Report | Single Sample     | 62-610.463(2) FAC                                    |
| Giardia   | cysts/100L   | Max         | Report | Single Sample     | 62-610.463(4) FAC                                    |
| Cryptosporidium                                   | oocysts/100L | Max         | Report | Single Sample     | 62-610.463(4) FAC                                    |

c. Other Limitations and Monitoring Requirements:

| Parameter | Units | Max/<br>Min | Limit  | Statistical Basis  | Rationale            |
|-----------|-------|-------------|--------|--------------------|----------------------|
| Flow      | MGD   | Max         | 18.0   | Annual Average     | 62-600.700(2)(b) FAC |
| Flow      | MGD   | Max         | Report | Monthly<br>Average | 62-600.700(2)(b) FAC |



| Parameter  | Units   | Max/<br>Min | Limit  | Statistical Basis  | Rationale  |
|--|---------|-------------|--------|--------------------|--|
| Percent Capacity,<br>(TMADF/Permitted<br>Capacity) x 100 | percent | Max         | Report | Monthly<br>Average | 62-600.405(4) FAC  |
| BOD,<br>Carbonaceous 5<br>day, 20C (Influent)            | mg/L    | Max         | Report | Monthly<br>Average | 62-601.300(1) FAC  |
| Solids, Total<br>Suspended<br>(Influent)                 | mg/L    | Max         | Report | Monthly<br>Average | 62-601.300(1) FAC  |
| Monitoring<br>Frequencies and<br>Sample Types            | -       | -           | -      | All Parameters     | 62-600 FAC & 62-699 FAC and/or BPJ of<br>permit writer   |
| Sampling Locations                                       | -       | -           | -      | All Parameters     | 62-600, 62-610.412, 62-610.463(1), 62-<br>610.568, 62-610.613 FAC and/or BPJ of<br>permit writer |

4. DISCUSSION OF CHANGES TO PERMIT LIMITATIONS

The current wastewater permit for this facility FL0026603-013-DW1P expired on October 25, 2017.

5. BIOSOLIDS MANAGEMENT REQUIREMENTS

Biosolids generated by this facility may be distributed and marketed and/or transferred to a Biosolids Treatment Facility (BTF) or disposed of in a Class I solid waste landfill. The permittee is authorized to produce Class AA biosolids

6. GROUND WATER MONITORING REQUIREMENTS

Ground water monitoring requirements have been established in accordance with Chapters 62-520, 532, 600, 610, and 620, F.A.C. Quarterly sampling must be reasonably spaced to be representative of potentially changing conditions.

7. PERMIT SCHEDULES

1. The following improvement actions shall be completed according to the following schedule:

| Improvement Action  | Completion Date   |
|---|---|
| a. Submit a proposal identifying the wells in the Department-approved monitoring plan to be sampled to meet the requirements of Permit Condition III.16. The proposal should justify the monitoring well selection and include at least one compliance well and one intermediate well. Compliance well selections should be based on recent groundwater conditions. | 15 months prior to permit expiration.   |
| b. Sample the monitoring wells approved by the Department in accordance with Permit Condition III.16 and submit the sampling results with the permit renewal application.   | Sampling shall occur no sooner than 180 days before submittal of the renewal application. |
| c. Submit a report with findings and recommendations for the re-evaluation of the existing ground water monitoring plan.  | Within 120 days of permit effective date  |
| d. Provide appropriate documentation as required in permit conditions VIII. 1   | As required by permit conditions VIII. 1  |
| e. Provide appropriate documentation as required in permit conditions VIII. 2   | As required by permit conditions VIII. 2  |
| f. Submit an application for renewal as required in permit Conditions VI.2. a.  | At least 180 days before the permit expiration date-                                      |

#### 8. INDUSTRIAL PRETREATMENT REQUIREMENTS

The permittee has an active, approved industrial pretreatment program. The permit includes standard conditions requiring implementation and enforcement of the existing program.

#### 9. ADMINISTRATIVE ORDERS (AO) AND CONSENT ORDERS (CO)

This facility has entered into CO-03-0666, executed 01/31/2018, with the Department. The CO was amended for fifth time to include a schedule of compliance to decrease the di-chloro-bromo-methane (DCBM) levels, BOD, carbonaceous 5 day, 20C, total phosphorous, total nitrogen and load allocations, and increase the Dissolved Oxygen levels.

#### 10. REQUESTED VARIANCES OR ALTERNATIVES TO REQUIRED STANDARDS

No variances were requested for this facility.

#### 11. THE ADMINISTRATIVE RECORD

The administrative record including application, draft permit, fact sheet, public notice (after release), comments received and additional information is available for public inspection during normal business hours at the location specified in item 13. Copies will be provided at a minimal charge per page.

#### 12. PROPOSED SCHEDULE FOR PERMIT ISSUANCE

|   |  |
|---|--|
| Draft Permit and Public Notice to Applicant and EPA | December 27, 2018                                |
| Public Comment Period                               | Beginning: January 2019<br>Ending: February 2019 |
| Proposed Permit to EPA                              | December 19, 2018                                |
| Notice of Permit Issuance                           | March 2019                                       |

#### 13. DEP CONTACT

Additional information concerning the permit and proposed schedule for permit issuance may be obtained during normal business hours from:

Astrid Flores Thiebaud  
Engineer IV  
Southwest District Office  
[Astrid.FloresThiebaud@FloridaDEP.gov](mailto:Astrid.FloresThiebaud@FloridaDEP.gov)

13051 N Telecom Pkwy, Suite 101  
Temple Terrace, FL 33637-0926  
Telephone No.: (813) 470-5760



# Florida Department of Environmental Protection

Twin Towers Office Bldg., 2600 Blair Stone Road, Tallahassee, Florida 32399-2400

## PATHOGEN MONITORING

### Part I - Instructions

1. Completion of this report is required by Rules 62-610.463(4), 62-610.472(3)(d), 62-610.525(13), 62-610.568(11), 62-610.568(12), and 62-610.652(6)(c), F.A.C., for all domestic wastewater facilities that provide reclaimed water to certain types of reuse activities. The schedule for sampling and reporting shall be in accordance with the permit for the facility. If a schedule for sampling or re-sampling is not included in the permit, the following schedule shall apply:
  - a. Routine Sampling:

If sampling is required once every two years, this report shall be submitted on or before November 28 of each even numbered year (2006, 2008, 2010, etc.).

If sampling is required once every five years, this report shall be submitted with the application for permit renewal.

If sampling is required quarterly, this report shall be submitted on or before February 28, May 28, August 28, and November 28 of each year.
  - b. Subsequent Re-Sampling:

If subsequent re-sampling is required by Item 9 in Part I of this form, this form shall be submitted for the subsequent re-sampling(s) in accordance with the schedule established in Item 9 in Part I of this form.
2. Submit one copy of this form and a copy of the laboratory's final report for the analysis of *Giardia* and *Cryptosporidium* to each of the following two addresses:
  - a. The appropriate DEP district office (attention Domestic Wastewater Program). Addresses for the DEP district offices are available at [www.dep.state.fl.us/secretary/dist/default.htm](http://www.dep.state.fl.us/secretary/dist/default.htm).
  - b. DEP Water Reuse Coordinator  
Mail Station 3540  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400
3. Please type or print legibly.
4. In Part II, Items 7 through 12 need to be completed only if this is the first submittal of this report, if the information in Items 7 through 12 has changed since the last submittal, or if the information in any of these questions has not been previously provided.
5. Part III is to be used when sampling for *Giardia* and *Cryptosporidium* at the treatment plant. Part III is also to be used when sampling for *Giardia* and *Cryptosporidium* in a supplemental water supply (see Rule 62-610.472, F.A.C.).

6. For each sample, record the sample volume obtained in liters.
7. For *Giardia*, record the concentrations in cysts per 100 liters. For *Cryptosporidium*, record the concentrations in oocysts per 100 liters. Sufficient sample volumes shall be collected and processed such that the detection limit is no greater than 5 cysts or oocysts per 100 liters. Detection levels on the order of 1 cyst or oocyst per 100 liters are recommended. If an observation is less than the detection limit, make an entry in the form "<2" (where 2 per 100 liters is the detection limit in this example). The actual detection limit will be dictated by the volumes of sample obtained, filtered, and processed. Do NOT record nondetectable values as zero.
8. EPA Method 1623 or other approved methods for reclaimed water or nonpotable waters, adjusted appropriately to accommodate the detection limit requirements, shall be used. Methods previously allowed for EPA's Information Collection Rule (ICR) shall not be used. The full requirements of the approved method, including quality assurance and quality control, are to be met. Quality assurance and sampling requirements in Chapter 62-160, F.A.C., shall apply.

Two concentrations of *Giardia* and *Cryptosporidium* shall be recorded on Part III of this form:

- a. Total cysts and oocysts shall be enumerated using EPA Method 1623 or other approved methods.
  - b. Potentially viable cysts and oocysts shall be enumerated using the DAPI staining technique contained in EPA Method 1623 or similar enumeration techniques included in other approved methods. Cysts and oocysts that are stained DAPI positive or show internal structure by D.I.C. shall be considered as being potentially viable. If the laboratory reports separate values for DAPI positive and for cysts or oocysts having internal structure, the larger of the two concentrations will be reported as being potentially viable.
9. If the number of potentially viable cysts of *Giardia* reported exceeds 5 per 100 liters, a subsequent sample shall be taken and analyzed using EPA Method 1623 or other approved methods and reported using this form. If the number of potentially viable oocysts of *Cryptosporidium* reported exceeds 22 per 100 liters, a subsequent sample shall be taken and analyzed using EPA Method 1623 or other approved methods and reported using this form. This subsequent sample shall be collected within 90 days of the date the initial sample was taken, analyzed for both *Giardia* and *Cryptosporidium*, and the results of the subsequent analysis shall be submitted to DEP using this form within 60 days of sample collection.
  10. Rule 62-160.300, F.A.C., requires that all laboratories generating environmental data for submission to the DEP shall hold certification from the Department of Health's (DOH) Environmental Laboratory Certification Program (ELCP). Certification by the ELCP for analysis of *Giardia* and *Cryptosporidium* using EPA Method 1623 for non-potable waters is required. If other approved methods are used, certification by the ELCP is required for the specific method and for the test matrix. Lists of certified laboratories can be found at [www.dep.state.fl.us/labs/cgi-bin/aams/index.asp](http://www.dep.state.fl.us/labs/cgi-bin/aams/index.asp)
  11. Samples shall be collected during peak flow periods (normally between the hours of 8:00 a.m. and 6:00 p.m.).
  12. Recognizing that concentrations of these pathogens generally increase during the late summer through fall period, it is recommended that utilities sample during the August through October time period.
  13. If the wastewater treatment facility uses chlorination for disinfection, samples obtained for analysis of *Giardia* and *Cryptosporidium* shall be dechlorinated.
  14. When sampling at the treatment facility, obtain a grab sample for total suspended solids (TSS) that is representative of the water leaving the filters at the treatment facility during the period when pathogen

samples are being obtained. In addition, record the highest turbidity and the lowest total chlorine residual observed during the period when pathogen samples are being obtained.

15. When sampling a supplemental water supply, obtain a grab sample for total suspended solids (TSS) that is representative of the surface water or treated stormwater as it is added to the reclaimed water system. This TSS sample shall be taken during the period when pathogen samples are being obtained. In addition, record the lowest total chlorine residual observed during the period when pathogen samples are being obtained.

## Part II - General Information

1. DEP wastewater facility identification number: **FL0026603**

Wastewater facility name: Largo City of

Permittee name: City of Largo. WWTP

2. Person completing this form:

Name: \_\_\_\_\_

Telephone: (\_\_\_\_\_) \_\_\_\_\_

Email address: \_\_\_\_\_

3. Sampling and analysis:

Date samples were taken: \_\_\_\_\_

Organization collecting the samples: \_\_\_\_\_

Was the sample dechlorinated in the field? ☐ Yes ☐ No

Was the sample refrigerated or kept on ice during shipment to the laboratory? ☐ Yes ☐ No

Date samples delivered to laboratory: \_\_\_\_\_

Date analytical work was done: \_\_\_\_\_

Laboratory doing the analysis: \_\_\_\_\_

Laboratory's DOH Identification Number: \_\_\_\_\_

Approved method used:

☐ EPA Method 1623

☐ Other approved method: \_\_\_\_\_

Contact person at the laboratory: \_\_\_\_\_

Email address of the lab contact person: \_\_\_\_\_

4. Is this the first time that this form has been submitted for the facility?

☐ Yes [Please complete Questions 7 through 16.]

☐ No [Proceed to Question 5.]

5. Is this a report of "subsequent re-sampling" required by Item 9 in Part I of this form based on concentrations of potentially viable cysts or oocysts in a previous sampling?

☐ No [Proceed to Question 6.]

☐ Yes [Attach a description of any facility or operational changes made to the treatment facilities since the time of the previous sampling and proceed to Question 6.]

6. Has the information requested in Questions 7 through 12 (below) changed since the last submittal of this form?

☐ Yes [Please complete Questions 7 through 16.]

☐ No [Proceed to Questions 13 through 16 of Part II of this form. You do not need to complete Questions 7 through 12.]

7. Type of secondary treatment system:

☐ Conventional activated sludge

☐ Extended aeration

☐ Contact stabilization

☐ Biological nutrient removal (such as Bardenpho)

☐ Other: \_\_\_\_\_

8. Does this treatment facility nitrify (convert ammonia nitrogen to nitrate)? ☐ Yes ☐ No

9. Filter type:

☐ Deep bed, single media

☐ Deep bed, multiple media

☐ Shallow bed, automatic backwash

☐ Upflow (including Dynasand)

☐ Slow rate sand filter

☐ Diatomaceous earth filter

☐ Fabric filter

☐ Cartridge filter

☐ Membranes (microfiltration, ultrafiltration, membrane bioreactor, reverse osmosis)

☐ Other: \_\_\_\_\_

10. Filter Media (complete for each type of media provided):

Top layer of media: Media type: \_\_\_\_\_

Effective size: \_\_\_\_\_ mm

Uniformity coefficient: \_\_\_\_\_

Bed depth: \_\_\_\_\_ inches



Middle layer of media: Media type: \_\_\_\_\_  
Effective size: \_\_\_\_\_ mm  
Uniformity coefficient: \_\_\_\_\_  
Bed depth: \_\_\_\_\_ inches

Bottom layer of media: Media type: \_\_\_\_\_  
Effective size: \_\_\_\_\_ mm  
Uniformity coefficient: \_\_\_\_\_  
Bed depth: \_\_\_\_\_ inches

11. Filter backwash water:

- ☐ Backwash water is returned to the headworks of the treatment plant.
- ☐ Backwash water is returned to the aeration basin.
- ☐ Other. Please describe: \_\_\_\_\_

12. Disinfection system:

- ☐ Chlorination, gas                      ☐ Hypochlorite
- ☐ Chlorine dioxide                      ☐ Chlorination, other \_\_\_\_\_
- ☐ Ultraviolet                              ☐ Ozone
- ☐ Other: \_\_\_\_\_

13. Is chlorine added before the filters?      ☐ No      ☐ Yes      Dose: \_\_\_\_\_ mg/L

14. During the period that samples were taken, did you add a coagulant, coagulant aid, polyelectrolyte, or other chemical to enhance filtration?

- ☐ No
- ☐ Yes. Please list the chemicals being added and their dose.

Chemical 1 - Name: \_\_\_\_\_ Dose: \_\_\_\_\_ mg/L

Chemical 2 - Name: \_\_\_\_\_ Dose: \_\_\_\_\_ mg/L

Chemical 3 - Name: \_\_\_\_\_ Dose: \_\_\_\_\_ mg/L

15. Wastewater treatment plant permitted capacity: \_\_\_\_\_ MGD

16. Wastewater flow being treated at the time samples were collected: \_\_\_\_\_ MGD

## PART III - PATHOGEN MONITORING REPORT

**FACILITY ID:** FL0026603

**FACILITY NAME:** Largo City of

**FACILITY ADDRESS:** 5100 150th Ave N, Clearwater, FL 33760-3502

**PERMITTEE NAME:** City of Largo. WWTP

**MAILING ADDRESS:** PO Box 296, Largo, Florida 33779-296

**DATE OF SAMPLING:** \_\_\_\_\_

| Parameter   | Quantity or Loading |        | Quality or Concentration |                                     |
|---|---------------------|--------|--------------------------|-------------------------------------|
|   | Sample Measurement  | Units  | Sample Measurement       | Units                               |
| Treatment Plant: After Filter<br>Monitoring Site No.  |                     |        |                          |                                     |
| Turbidity<br>PARM Code 00070  |                     |        |                          | NTU                                 |
| TSS<br>PARM Code 00530  |                     |        |                          | mg/L                                |
| Treatment Plant: After Disinfection<br>Monitoring Site No.  |                     |        |                          |                                     |
| Total Chlorine Residual<br>PARM Code 50060  |                     |        |                          | mg/L                                |
| Volume Collected<br>PARM Code 71994   |                     | Liters |                          |                                     |
| <i>Giardia</i> , total count *<br>PARM Code GIARD   |                     |        |                          | total cysts/100 L                   |
| <i>Giardia</i> , potentially viable cysts *<br>PARM Code VGIAR  |                     |        |                          | potentially viable<br>cysts/100 L   |
| <i>Cryptosporidium</i> , total count *<br>PARM Code CRYPT   |                     |        |                          | total oocysts/100 L                 |
| <i>Cryptosporidium</i> , potentially viable oocysts *<br>PARM Code VCRYP  |                     |        |                          | potentially viable<br>oocysts/100 L |
| Supplemental Water Supply (surface water or<br>stormwater): After Treatment & Disinfection<br>Monitoring Site No. |                     |        |                          |                                     |
| TSS<br>PARM Code 00530  |                     |        |                          | mg/L                                |
| Total Chlorine Residual<br>PARM Code 50060  |                     |        |                          | mg/L                                |
| Volume Collected<br>PARM Code 71994   |                     | Liters |                          |                                     |
| <i>Giardia</i> (total count) *<br>PARM Code GIARD   |                     |        |                          | total cysts/100 L                   |
| <i>Giardia</i> , potentially viable cysts *<br>PARM Code VGIAR  |                     |        |                          | potentially viable<br>cysts/100 L   |
| <i>Cryptosporidium</i> , total count *<br>PARM Code CRYPT   |                     |        |                          | total oocysts/100 L                 |
| <i>Cryptosporidium</i> , potentially viable oocysts *<br>PARM Code VCRYP  |                     |        |                          | potentially viable<br>oocysts/100 L |

\* Data entries must be made for both total and potentially viable cysts and oocysts.

## PART IV - CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein; and based upon my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

| Name/Title of Principle Executive Officer or<br>Authorized Agent (Type or Print) | Signature of Principle Executive Officer or<br>Authorized Agent | Telephone No. | Date (YY/MM/DD) |
|--|---|---------------|-----------------|
|  |   |               |                 |
| Email Address  |   |               |                 |